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THE

CONCHOLOGICAL

ILLUSTRATIONS,

33528

BY

G. B. SOWERBY, Jun.

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GEORGE ODELL, PRINTER, PRINCES STREET, CAVENDISH SQUARE.

NOTICE.

The artist and proprietor feels unwilling to present this series of Illustrations to the scientific public, without taking advantage of the opportunity afforded by its completion, to acknowledge his obligations for the support he has received. During the periodical issue of the parts, he has experienced the utmost kindness and attention from collectors, who have materially assisted him by throwing open their cabinets for his inspection, and by freely allowing him the use of their new and rare shells. He has also enjoyed a degree of patronage in the sale of the parts, which, although not amounting to a remuneration for the labour, has sufficed to meet the pecuniary expenses attending their production, and also to afford the prospect of ultimate advantage The 1,500 figures contained in the work, represent 1,000 new species and varieties of 21 different Genera, and include all the species of Cypræa, Chilina, Neritina, Margarita, Eulima, and Typhis.

The catalogues embrace 19 Genera, and contain a reference to the description and to the best figure of each species, as far as could be known, up to the date of their publication. Those which were published in the earlier part of the work are from the pen of Mr. G. B. Sowerby, Sen. For the four last, viz.—those of Chiton, Cardium, Murex, and Typhis, a younger and less experienced conchologist must be held responsible. With regard to the whole of them, it is hoped that although some errors and imperfections must have occurred, they will yet be found to present as complete and perfect accounts of the Genera of which they treat as could be expected, considering the intricacies and difficulties of the

task; and they will be found to assist materially in the advancement of conchological knowledge. The three remaining Genera, of which illustrations, but not catalogues, have been given, are accompanied by indices referring to descriptions and stating localities in every practicable instance.

A short interval will probably elapse before the commencement of a new series, and it is at present a subject of consideration whether the Illustrations will be continued in the same form. It has been suggested that monographs of Genera, with the figures on a reduced scale, could be published at a much smaller expense, in proportion to the number of species, and would be more generally useful than the present plan. In compliance with these suggestions, the proprietor is engaged in preparing monographs of several Genera, which will make their appearance at about the fall of the year, and the calculations made give reason to hope that the figures and descriptions may be produced at the rate of about one penny for each species.

From the fact that the figures contained in the present work, are constantly quoted by the English and Continental conchologists, who have written during the course of its publication, there can be no doubt of the desirableness of continuing to publish figures of species, accompanied by information respecting localities, characters, and nomenclature, and the artist would feel a pleasure in doing so, even had he no reason to hope for a greater amount of usefulness or of success than at present enjoyed; but the question is, whether, by altering the plan, and reducing the scale of the figures, he might not command a greater degree of success, and contribute to the advancement of conchological knowledge, to a wider extent. The experiment is about to be made, and in taking leave of the subscribers for a time, the gratifying hope is entertained, that the future re-appearance of the artist, will take place under the influence of their continued encouragement, strengthened by that of many other friends to the science.

TABLE OF CONTENTS.

(The word "*all*" placed against figures in the 3rd column, signifies that the whole of the known species are represented. The letters "*re*" distinguish those catalogues, which have been re-printed, and of which the old copies are to be cancelled.)

Genera	Numbers of parts	Species and varieties figured	No. of figures	Letter Press	No. of pages
Amphidesma	17 18 19	12	71	Catalogue and Index	2 re.
Cardium	46 to 51, 149 150, 177 to 184	70	89	Catalogue and Index	8
Nucula	14 15 16	24	25	Catalogue and Index	4 re.
Chiton	38 to 45	150	198	Catalogue and Index	10
Chitonellus	159 to 176			Desc. of British species	8
Fissurella	68 to 78 80	77	88	Catalogue and Index	10
Bulinus	21 22 23 26, 27 30 31 34, 35 137 to 146, 185 186	119	152	Index, localities, &c.	4 re.
Chilina	135 136	13 all	21all.	Catalogue and Index	2 re.
Neritina	86 87 90 91, 94 to 100	66 all	125all.	Catalogue and Index	4 re.
Eulima	52 53	19 all	19all.	Catalogue and Index	2 re.
Margarita	132 133 134	15 all	30all.	Catalogue	2
Cancellaria	9 to 13	45	47	Catalogue and Index	10 re.
Murex	58 to 67, 187 to 199	112	128	Catalogue and Index	12
Typhis	200	6 all	11all.	Catalogue and Index	2
Ranella	84 85 88, 89 92 93	25	37	Index, localities, &c.	2
Monoceros	79 81 to 83	16	27	Catalogue and Index	2 re.
Eburna	2	20	4	5 Catalogue and Index	2 re.
Erato, Ovulum, Cypræa	1 to 8, 101 to 131	7, 4, 168 all	9, 6, 327	Catalogue and Index to Cypræadæ	26
Conus	24 25 28 29, 32 33 36 37, 54 to 57, 147 148, 151 to 158	137	153	Index, localities, &c.	4

DIRECTIONS TO THE BINDER.

The lists printed on small paper and published with each part are to be cancelled.

The Plates, Catalogues, Indices, &c. should follow each other in the order indicated in the "Table of Contents."

The word at the head of each plate will point out the genus to which it belongs, and the figures connected with the subjects will shew the order in which the plates of each genus follow each other. They should be placed, so as to lie open on the right side of the book.

The former edition of those Catalogues which have been reprinted, in consequence of having been printed originally on small paper, must be cancelled. The reprints are contained in No. 200.

A CATALOGUE

OF THE

RECENT SPECIES OF THE GENUS AMPHIDESMA.

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1. variegatum *Lam.* Spec. Conch. *Amphidesma.* f. 1, 2, 3. Brazil.
2. pulchrum *nob.* Z. P. 1832, Dec. Conch. Ill. f. 2. St. Elena. W. Columbia. var. f. 2* Panama. Mr. Cuming.
3. pallidum *nob.* Z. P. 1832, Dec. Conch. Ill. f. 3. Salango, W. Col. Mr. Cuming.
4. formosum *nob.* Z. P. 1832, Dec. Conch. Ill. f. 8. St. Elena. Mr. Cuming.
5. roseum *nob.* Z. P. 1832, Dec. Conch. Ill. f. 1. Tumbez, Peru. Mr. Cuming.
6. ellipticum *nob.* Z. P. 1832, Dec. Spec. Conch. f. 17. Monte Christi, W. Col. Mr. Cuming.
7. australe *nob.* Z. P. 1832, Dec. Conch. Ill. f. 4. Lord Hood's Island, S. Seas, Mr. Cuming, and N. S. Wales, G. Humphrey.
8. corrugatum *nob.* Z. P. 1832, Dec. Spec. Conch. f. 18. Iquiqui, Peru. Mr. Cuming.
9. subtruncatum *nob.* Spec. Conch. f. 5, 19, 20. West Indies.
10. solidum *Gray*, Spicilegium Zoologicum part 1, p. 6, t. 6, f. 6, Spec. Conch. f. 6. Valparaiso, Mr. Cuming.
11. cordiforme, *nob.* Spec. Conch. f. 7. Tellina Cordiformis Chemn. XI. f. 1931, 1932. Indian Ocean.
12. Rupium *nob.* Z. P. 1832, Dec, Conch. Ill. f. 10. Lord Hood's Island. var. f. 10* Galapagos Islands. Mr. Cuming.
13. cancellatum *nob.* Spec. Conch. f. 8. Antigua and St. Vincents.

14. lamellosum *nob.* Spec. Conch. f. 9, 19. Indian Ocean.
15. reticulatum *nob.* Spec. Conch. f. 11, 12. Brazil and W. Indies.
16. crenulatum *nob.* Spec. Conch. f. 13.
17. duplicatum *nob.* Spec. Conch. f. 14, 15. Ceylon.
18. punctatum *nob.* Z. P. 1832, Dec. Conch. Ill. f. 7. Galapagos Islands. Mr. Cuming.
19. purpurascens *nob.* Z. P. 1832, Dec. Conch. Ill. f. 5. St. Elena. W. Col. Mr. Cuming.
20. multicostatum *nob.* Spec. Conch. f. 16.
21. lenticulare *nob.* Z. P. 1832, Dec. Conch. Ill. f. 9. St. Elena, W. Col. Mr. Cuming.
22. læve *nob.* Z. P. 1832, Dec. Conch. Ill. f. 6 Xipixapi. W. Col. Mr. Cuming.
23. prismaticum *Lam.* Spec. Conch. f. 21. British.
24. tenue *Lam.* Spec. Conch. f. 22. British.
25. Boysii *Lam.* Spec. Conch. f. 23. British.
26. Siculum *nob.* Spec. Conch. f. 24. Sicily.

LIST OF FIGURES. Parts 17 to 19.

Fig. 1. A. roseum.
2. A. pulchrum.
2.*A. pulchrum, var.
3.*A. pallidum.
4. A. australe.
5. A. purpurascens.
Fig. 6. A. læve.
7. A. punctatum.
8. A. formosum.
9. A. lenticulare.
10. A. Rupium.
10.*A. Rupium, var.

CARDIUM.

A

CATALOGUE OF RECENT SPECIES,

BY

By G. B. SOWERBY, Jun.

No.

1 C. costatum, *Linn.* Syst. Nat. p. 1121. *Chemn.* Conch. t. 15, f. 151. 152. Africa.

2 C. indicum, *Lam.* Anim. sans vert. t. 6, p. 4. Con. Illus. f. 46. N.W. coast of America.

3 C. ringens, *Lam.* Brug. Dict. No. 21. Chemn. Conch. t. 16, f. 170. Gambia, Africa.

4 C. Sinense, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 35. China.

5 C. Asiaticum, *Brug.* Dict. No. 19. Chemn. Conch. t. 15, f. 153, 154, Nicobar Isl.

6 C. laticostatum, *Sow.* Zool. Proc. 1833. p. 85. Con. Illus. f. 30. Xipixapi, West Colombia. Mr. Cuming.

7 C. fimbriatum, *Lam.* Anim. sans vert. t. 6. p. 5. Beech. Zool. t. xlii. f. 1. *Wood* Gen. Conch. t.—. China.

8 C. tenui-costatum. *Lam.* Anim. sans vert. t. 6. p. 5. Con. Illus. f. 62. (tenue) f. 36. (varium.) f. 19. Swan River, N. Holland.

9 C. striatulum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 16. 45. Australia, New Zealand, Mr. G. Benett.

10 C. Australe, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 12* (C. Sauciatum, Beck.—?) Australia, (Var.) China, Ceylon.

11 C. Cumingii. *Sow.* Zool. Proc. 1833. p. 82. Con. Illus. f. 5. Central Amer. G. of Dulce. Mr. Cuming.

12 C. apertum, *Brug.* Dict. No. 22. Chem. Conch. t. 18. f. 181-3. Jamaica.

No.

13 C. papyraceum, *Brug.* Dict. No. 29. Chemn. Conch. t. 18, f. 184, Con. Illus. f. 55. 56. Japan.

14 C. bullatum, *Lam.* Anim. sans vert. t. 6, p. 6. Solen bullatus, *Linn.* C. Soleniforme, *Brug.* Chem. Conch. t. 6. f. 49. 50. Jamaica, St. Vincents.

15 C. aspersum, *Sow.* Zool. Proc. 1833. p. 85. Con. Illus. f. 15. St. Elena. Mr. Cuming.

16 C. ringiculum. *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 11. St. Vincents.

17 C. latum, *Brug.* Dict. No. 33. Chemn. t. 19, f. 192. 193. Asia.

18 C. Pseudolima, *Lam.* Anim. sans. vert. t. 6, p. 7. Con. Illus. f. 67. Red Sea.

19 C. Icelandicum, *Gmel.* p. 3252. Chemn. t. 19, f. 195. 196. Iceland.

20 C. punctulatum, *Brod. & Sow.* Zool. Journ. iv. p. 366. Con. Illus. f. 7. Loc. not known.

21 C. rusticum, *Linn.* Syst. Nat. p. 1124. Chemn. Conch. t. 19. f. 197. test. Jun. C. fasciatum, *Mont.* Test. Brit. Suppl. p. 30, t. 27, f. 6. Britain & Mediterranean.

22 C. edule. *Linn.* Syst. Nat. p. 1125, Chemn. Conch. t. 19, f. 194. var. C. crenulatum. *Lam.* Britain.

23 C. nodosum, Montagu, Test. Brit. p. 81. Turton. Brit. Biv. pl. 13, f. 8. Britain.

24 C. ovale, *Nob.* C. elongatum (preoccupied) *Mont.* Test. Brit. p. 82. Turt. Brit. Biv. t. 13, f. 9. Britain.

25 C. exiguum, *Gmel.* 3255, Lister. t. 317, f. 154. Britain.

26 C. Siculum, *Sow. jun.* Zool. Proc. 1840. Con. Illus, f. 31. Sicily.

27 C. Arcticum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 26. Arctic Seas.

28 C. tuberculatum, *Linn.* Syst. Nat. p. 1122. Chemn. Conch. t. 17, f. 173. Britain and Mediterranean.

29 C. paucicostatum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 20. Sicily.

No.

30 C. Deshayesii, *Payr.* p. 56, t. 1, f. 33. 35. Con. Illus. f. 70. Sicily.

31 C. echinatum, *Linn.* Syst. Nat. p. 1122. Chemn. Conch. t. 200, f. 1951-3. test. jun. C. ciliare. Gmel. 29. Britain and Sicily.

33 C. aculeatum. *Linn.* Syst. Nat. p. 1122. Chemn. Conch. t. 15, f. 156. Europe.

34 C. erinaceum. *Lam.* Anim. sans vert. t. 6. p. 8. Chemn. Conch. t. 15. f. 157. Mediterranean.

35 C. multispinosum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 38, 38. a. Misamis, Isl. Mindinao. Mr. Cuming.

36 C. exasperatum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 37. Swan River.

37 C. papillosum, *Poli* Test. utriusque Siciliæ, Con. Illus. f. 69. Sicily.

38 C. graniferum, *Brod.* and *Sow.* Zool. Journ. iv. p. 367. Con. Illus. f. 17. Pacific Ocean. Mr. Cuming.

39 C. Isocardia, *Linn.* Syst. Nat. p. 1122. Chemn. Conch. t. 17, f. 174, 176. America.

40 C. Consors. *Sow.* Zool. Proc. 1833. p. 85. Con. Illus. f. 8. St. Elena. Guacomayo, Mr. Cuming. The imbrications on the ribs are closer than in C. Isocardia.

41 C. Belcheri *Brod. & Sow.* Zool. Journ. iv. p. 366. Tab. ix. f. 3. Coast of California and Panuma.

42 C. muricatum, *Linn.* Syst. Nat. p. 1123. Chemn. Conch. t. 17, f. 177. West Indies.

43 C. senticosum, *Sow.* Zool. Proc. 1833. p. 84. Con. Illus. f. 10. St. Elena. Rounder than C. muricatum, and tubercles not so oblique. Mr. Cuming.

43.*C. Radula, *Brod. & Sow.* Zool. Journ. IV. p. 336. We have not seen this shell. It is in Mr. Bland's collection.

44 C. foveolatum, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 65. Swan River.

No.

45 C. variegatum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 57. Ribs much closer than in C. muricatum.

46 C. unicolor, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 29. 42. Brazils.

47 C. multistriatum, *Sow.* Zool. Proc. 1833. p. 85. Con. Illus. f. 59. St. Elena, Mr. Cuming.

48 C. maculosum, *Wood.* Gen. Conch. p. 218, t. 52, f. 3. Con. Illus. f. 63. Ceylon.

49 C. impolitum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 6. 66. China.

50 C. Oxygonum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 9. China.

51 C. angulatum, *Lam.* Anim. sans vert. Seba. Mus. 3, t. 86, f. 6. America? The grooves of this common species are deep; the ribs angular and serrated; the shell oval, ventricose.

52 C. marmoreum, *Lam.* Anim. sans vert. Chemn. Conch. t. 17, f. 179. Jamaica. Flatter than the last, with the anterior ribs smoother, and not so deep.

53 C. Orbita, *Brod. & Sow.* Zool. Proc. 1833. p. 85. Con. Illus. f. 13. Isl. Annaa, Pacific. O. More oblique, more closely tuberculated and ribbed that C. marmoreum. Mr. Cuming.

54 C. elongatum, *Lam.* Brug. Dict. No. 26. Con. Illus f. 49. (not the figures doubtfully referred to by *Brug. & Lamarck.*) More ventricose, and elongated than the two last, with 39 or 40 flattened ribs; Ticao, Philippines, Mr. Cuming.

55 C. subelongatum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 61. Ribs fewer and wider apart than in the last.

56 C maculatum, (Altered from maculosum, preoccupied) *Sow.* Zool. Proc. 1833. p. 85. Con. Illus. f. 18. California. Ribs flattened, nearly smooth; shell not so oblique as C. subelongatum.

No.

57 C. enode, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 51. Shell more spread, less ventricose, with ribs flatter and closer than in C. elongatum.

58 C. rugosum, *Lam.* Anim. sans vert, t. 6, p. 10. C. magnum, *Chemn.* Conch. t. 19, f. 191. Yellow var. C. flavum. Linn? Con. Illus. (C. subrugosum) f. 32. Dark spotted, Con. Illus. f. 39. Pink spotted, Con. Illus. f. 41. Ceylon, Java.

59 C. subrugosum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 34, 71. Dr. Sibbald. Ribs less elevated, shell less spread, anterior side smoother than the last.

60 C. alternatum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 64. Ticao, Philippines. On the Coral Reefs. Mr. Cuming.

61 C. procerum, *Sow.* Zool. Proc. 1833. p. 83. Con. Illus. f. 23 Real Llejos, Central America. Mr. Cuming.

62 C. Panamense. *Sow.* Zool. Proc. 1833. p. 85. Con. Illus. f. 21. Panama. Mr. Cuming. Ribs fewer and more angulated than in C. procerum.

63 C. ventricosum, *Brug.* Dict. 25. C. magnum, *Born.* E. M. pl. 299. f. 1. Carolina.

64 C. sulcatum, *Lam.* Anim. sans vert. tom. 6. p. 10. C. oblongum, *Chemn.* Conch. t. 19. f. 90. C. flavum, *Born.* Mediterranean. A shell has been collected at Plymouth by Mr. Cuming, which is distinct from C. serratum, and may probably turn out to be a British variety of this species.

65 C. elatum, *Sow.* Zool. Proc. 1833. p. 84. Con. Illus. f. 3. California.

66 C. serratum, *Linn.* Syst. Nat. 1123. E. M. 299. f. 2. C. lævigatum. *Wood.* pl. 54, f. 1. Britain.

67 C. Grœnlandicum, *Gmel.* P. 3252. Chemn. Conch. t. 19, f. 148. var. edentula. *Sow.* gen. of Sh. Greenland.

68 C. biradiatum, *Brug.* Dict. 28. Chemn. Conch. t. 18, f. 185, 186. Ceylon.

No.

69 C. attenuatum, *Sow. jun.* Zool. Proc. 1840. lævigatum, var. biradiatum, *Wood*, Gen. Conch. pl. 54, f. 2. Very much more elongated than the last. Ceylon.

70 C. multipunctatum, *Sow.* Zool. Proc. 1833. p. 84. Con. Illus. f. 14. China.

71 C. lævigatum, *Linn.* Syst. Nat. p. 1123. Chemn. Conch. t. 18, f. 189. C. citrinum, *Gmel.* Wood Gen. Conch. pl. 54. f. 3. Atlantic. This name is erroneously applied by some authors to the British C. serratum.

72 C. Brasilianum, *Lam.* Anim. sans vert. t. 6, p. 5. Con. Illus. f. 60. Brazil.

73 C. Elenensis, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 58. St. Elena. Not so much elongated posteriorly as the last; not lineated. Mr. Cuming.

74 C. Mortoni, *Conrad.* Boston journal? Con. Illus. f. 53, 54. America. More rounded than C. Elenensis, and nearly equilateral.

75 C. fragile, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 68.

76 C. Æolicum, *Born.* Mus. Cæs. p. 36. C. pectinatum, Linn? Chemn. Conch. t. 18, f 187, 188. Indian Ocean, China.

77 C. lyratum, *Sow.* Zool. Proc. 1840. Con. Illus. f. 40. Guinea. This species has no smooth surface on the posterior side, as in C. Æolicum.

78 C. lineatum, *Lam.* Anim. sans vert. v. 6, p. 17. Con. Illus. f. 43. America.

79 C. Donaciforme, *Schroeter*, Einl. Conch. t. 3, p. 68. Con. Illus. f. 27. Asiatic Ocean. Tranquebar.

80 C. parvum, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 33.

81 C. medium. *Linn.* Syst. Nat. 1122. Chemn. Conch. t. 16, f. 162, 164. St. Vincents.

No.

82 C. biangulatum, *Sow.* Zool. Journ iv. p. 367. Con. Illus. f. 2. St. Elena, Mr. Cuming.

83 planicostatum, *Sow.* Zool. Proc. 1833. p. 83. Con. Illus. f. 25. Guacomayo. Mr. Cuming.

84 C. fornicatum, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 50.

85 C. imbricatum, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 48. Swan River.

86 C. Unedo, *Linn.* Syst. Nat. p. 1123. Chemn. Conch. t. 16, f. 168, 169. Ceylon.

87 C. Fragum, *Linn.* Syst. Nat. p. 1123. Chemn. Conch. t. 16, f. 166. 167. Red Sea.

88 C. Hemicardium, *Linn.* Syst. Nat. p. 1121. Chemn. Conch. t. 16, f. 159, 161. Indian Ocean.

89 C. tumoriferum, *Lam.* Anim. sans vert. t. 6, p. 15. Con. Illus. f. 22. New Holland. Ribs narrower and tubercles smaller than in the last.

90 C. obovale, *Sow.* Zool. Proc. 1833. p. 84. Con. Illus. f. 4. Xipixapi. Mr. Cuming.

91 C. subretusum, *Sow. jun.* Zool. Proc. 1840. p. 84. Con. Illus. f. 24.

92 C. retusum, *Linn.* Syst. Nat. p. 1121. Chemn. Conch. t. 14, f. 139, 140. Suez, Arabia.

93 C. Auricula, *Forskäll.* Fauna Arabica. f. 122, No. 52. Con. Illus. f. 47. Suez, Arabia.

94 C. Dionæum, *Sow.* Zool. Journ. iv. p. 367. Beech. Zool. t. 42, f. 6. 6. Con. Illus. f. 52. S. Pacific Ocean.

95 C. Cardissa, *Linn.* Syst. Nat. p. 1121. *Sow.* gen. of Sh. f. 5. test. jun. (C. Dionæum) Con. Illus. f. 1. 1.* (C. unimaculatum,) f. 1.** S. Pacific Ocean. *Nearly equilateral.*

96 C. Junoniæ, *Lam.* Anim. sans vert. t. 6, p. 17. Chemn. Conch. t. 14, f. 147, 148. C. Humanum, *Wood.* indian Ocean. *Posterior side concave.*

97 C. inversum, *Lam.* Anim. sans vert. t. 6, p. 17. Chemn. Conch. t. 14, f. 149, 150. Indian Ocean. *Anterior side concave.*

CORRECTED LIST OF FIGURES.

CARDIA :—Parts 48 to 51, 149—150, 177 to 186.

FIG.
1 1.* 1.** C. Cardissa, Sp. 95, young.
2 C. biangulatum, Sp. 82.
3 C. elatum, Sp. 65.
4 C. obovale, Sp. 90.
5 C. Cumingii Sp. 11.
6 C. impolitum, Sp. 49.
7 C. punctulatum, Sp. 20.
8 C. Consors, Sp. 40.
9 C. Oxygonum, Sp. 50.
10 C. senticosum, Sp. 43.
11 C. ringiculum, Sp. 16.
12* C. Australe, Sp. 10.
13 C. Orbita, Sp. 53.
14 C. multipunctatum, Sp. 70.
15 C. aspersum, Sp. 15.
16 C. striatulum, Sp. 9.
17 C. graniferum, Sp. 38.
18 C. maculatum, Sp. 56.
19 C. tenuicostatum, Sp. 8.
20 C. paucicostatum, Sp. 29.
21 C. Panamense, Sp. 62.
22 C. tumoriferum, Sp. 89.
23 C. procerum, Sp. 61.
24 C. subretusum, Sp. 91.
25 C. planicostatum, Sp. 83.
26 C. arcticum, Sp. 27.
27 C. Donaciforme, Sp. 79.
28 C. echinatum, var. Sp. 31.
29 C. unicolor, Sp. 46.
30 C. laticostatum, Sp. 6.
31 C. Siculum, Sp. 26.
32 C. rugosum, var. Sp. 58.
33 C. parvum, Sp. 80.
34 C. subrugosum, Sp. 59.

FIG.
35 C. Sinense, Sp. 4.
36 C. tenuicostatum, Sp. 8.
37 C. exasperatum, Sp. 36.
38 C. multispinosum, Sp. 35.
39 C. rugosum, var. Sp. 58.
40 C. lyratum, Sp. 77.
41 C. rugosum, var. Sp. 58.
42 C. unicolor, Sp. 46.
43 C. lineatum, Sp. 78.
44 C. lineatum, young, Sp. 78.*
45 C. striatulum, Sp. 9.
46 C. indicum, Sp. 2.
47 C. Auricula, Sp. 93.
48 C. imbricatum, Sp. 85.
49 C. elongatum, Sp. 54.
50 C. fornicatum, Sp. 84.
51 C. enode, Sp. 57.
52 C. Dionæum, Sp. 94.
53, 54, C. Mortoni, Sp. 74.
55, 56, C. papyraceum, Sp. 13.
57 C. variegatum, Sp. 45.
58 C. Elenense, Sp. 73.
59 C. multistriatum, Sp. 47.
60 C. Brasilianum, Sp. 72.
61 C. subelongatum, Sp. 55.
62 C. tenuicostatum, Sp. 8.
63 C. maculosum, Sp. 48.
64 C. alternatum, Sp. 60.
65 C. foveolatum, Sp. 44.
66 C. impolitum, Sp. 49.
67 C. Pseudolima, Sp. 18.
68 C. fragile, Sp. 75.
69 C. papillosum, Sp. 37.
70 C. Deshayesii, Sp. 30.
71 C. subrugosum, Sp. 59.

George Odell, Printer, 18, Princes-street, Cavendish-square, London.

A CATALOGUE

OF

RECENT SPECIES OF NUCULÆ

* *LANCEOLATÆ.*

1 lanceolata *Lam.* Sowerby Gen. of Shells, No. 17, f. 1. Conch. Illustr. f. 1. Xipixapi.

2 Elongata *nobis.* Z. P. 1832, Dec. Conch. Illustr. f. 2. Salango, Mr. Cuming.

3 Tellinoides *nobis*, Gen. of Shells, No. 17, f. 2. Cumana.

4 Crenifera *nobis*, Z. P. 1832, Dec. Conch. Illustr. f. 3. Xipixapi, Mr. Cuming.

** *ROSTRATÆ.*

5 arctica, *Brod.* and *Sow.* IV. pl. IX. f. 1. Kamtschatka.

6 Nicobarica *Lam.* Conch. Illustr. f. 4.

7 curvirostrum, Humphrey M. S. Conch. Illustr. f. 5. Shell oblong, thin, pellucid, white, smooth, rather gibbous; anterior side rounded, posterior acuminated, turned upward, with three crenated ridges; surface covered with oblique, nearly longitudinal grooves: length 0·7, breadth 0·25, height 0·4. Coast of Guinea, *Humphrey. Arca rostrata* Mont. Test. Brit. Sup. p. 55. t. 27.

8 Pella *Lam.* Sowerby's Gen. of Shells No. 17. f. 4. Conch. Illustr. f. 6.

9 glacialis *Wood* Sup. pl 2. f. 6.

10 fluviatilis *nobis*, Sow. Gen. of Shells, No. 17, f. 3. (*N. rostrata Lam.*) Rivers of Coromandel, Schroëtter.

11 minuta *Mont.* Test. Brit. p. 144. Sowerby Gen. of Shells, No. 17, f. 5. (*N. rostrata* Sowerby) British.

12 parva *nobis*, Conch Illustr. f. 7. Shell oblong, white, thickish, with an olivaceous epidermis, longitudinally

grooved; anterior side rounded, posterior rather beaked, angular: dorsal posterior area not grooved; length 0·5, breadth 0·2, height 0·3. The only specimen I have seen was brought from Melville Island in 1821, by Captain Parry.

13 costellata *nobis*, Z. P. 1832, Dec. Conch. Illustr. f. 8. Panama. Mr. Cuming.

14 gibbosa *nobis*, Z. P. 1832, Dec. Conch. Illustr. f. 9. Gulf of Nocoiyo. Mr. Cuming.

15 eburnea *nobis*, Z. P. 1832, Dec. Conch Illustr. f. 10. Bay of Caraccas. Mr. Cuming,

16 polita *nobis*, Z. P. 1832, Dec. Conch. Illustr. f. 11. Panama. Mr. Cuming.

17 nasuta, *nobis*, Conch. Illustr. f. 12. Shell oblong, white, very finely longitudinally striated; anterior side rather shorter than the posterior, rounded; posterior acuminated, slightly turned upwards, with an elongated longitudinally striated dorsal area: length 0·8, breadth 0·33, height 0.4. From the East Indies. G. Humphrey.

18 Fabula, *nobis*, Conch. Illustr. f. 13. Shell ovate, white, obliquely striated, nearly equilateral, anterior side rounded, posterior acuminated, slightly turned upwards, with two ridges passing from the umbones to the acuminated extremity, the upper of which is crenated, forming a dorsal posterior area: length 0·4, breadth 0.15, height 0·25.

19 Elenensis *nobis*, Z. P. 1832, Dec. Conch. Illustr. f. 14. St. Elena, Mr. Cuming.

20 cuneata *nobis*, Z. P. 1832, Dec. Conch. Illustr. f. 15. Valparaiso. Mr. Cuming.

21 striata *nobis*, Conch. Illustr. f. 16. Shell ovate, white, concentrically striated, nearly equilateral, anterior and posterior dorsal slopes nearly equal; anterior side slightly acuminated, rounded; posterior side acuminated, with an indistinct dorsal area: length 0·55, breadth 0·3, height 0·4. From China, G. Humphrey.

22 Mauritiana *nobis*, Conch. Illustr. f. 17. Shell ovate white, concentrically grooved, nearly equilateral, anteriorly rounded, posteriorly acuminated; dorsal slope nearly equal on both sides; length 0.4, breadth 0·2 height 0.25. From the Mauritius, G. Humphrey.

23 limatula *Say*, American Conchology t. 12.

24 lævis *Say*, Amer. Conch. t. 12.

25 concentrica *Say*, Amer. Conch. t. 12.

**** ELLIPTICÆ.*

26 margaritacea *Lam.* Sow. Gen. of Shells, f. 7. British.

27 decussata *nobis*, Conch. Illustr. f. 18. Shell somewhat triangular, white, decussately striated; anterior side shorter, its slope rather elevated in the middle; posterior side much longer, oblique; ventral margin rounded its edge crenated; length 0·85, breadth 0·4, height 0·6. Brought from the Coast of Guinea, in 1788, G. Humphrey.

28 rugulosa *nobis*, Conch. Illustr. f. 19. Shell ovate triangular, with a greenish epidermis, covered with rugulose striæ; angles obtuse; anterior slope with a central elevation; posterior slope somewhat rounded; ventral margin very finely crenulated; length 0 5, breadth 0.25, height 0·4.

29 nitida *nobis*, Conch. Illustr. f. 20. Shell ovate subtriangular, smooth, shining, white, with an olive coloured epidermis; posterior slope somewhat rounded, anterior nearly straight, with a central elevation; length 0·5, breadth 0·25, height 0·4. Common on the British Coast.

30 obliqua *Lam.* Conch. Illustr. f. 21. Valparaiso, Mr. Cuming.

31 tenuis *Mont.* Test. Brit. Sup. p. 56. t. 29. f. 1. Scarborough, Frith of Forth, &c.

32 convexa *nobis*, Conch. Illustr. f. 22. Shell ovate, turgid, whitish, smooth; anterior side shorter, slightly acumi-

nated ; posterior side much longer, dorsal slope rounded; ventral margin entire ; hinge pit very oblique, teeth of anterior side very few; length 0·55, breadth 0·35, height 0·4. From China, G. Humphrey.

33 Pisum. *nobis*, Z. P. 1832, Dec. Conch. Illustr. f. 23, Valparaiso. Mr. Cuming.

34 exigua *nobis*, Z. P. 1832, Dec. Conch. Illustr. f. 21. and magnified f. 24*. Bay of Caraccas. Mr. Cuming.

LIST OF FIGURES.

Fig. 1. N. Lanceolata.
2. N. elongata.
3. N. crenifera.
4. N. nicobarica.
5. N. curvirostra,
6. N. Pella.
7. N. parva.
8. N. costellata.
9. N. gibbosa.
10. N. eburnea.
11. N. polita.
12. N. nasuta.
13. N. Fabula.
14. N. Elenensis.
15. N. cuneata.
16. N. striata.
17. N. Mauritiana.
18. N. decussata.
19. N. rugulosa.
20. N. nitida.
21. N. obliqua.
22. N. convexa.
23. N. Pisum.
24. N. exigua.
24.*N. exigua. *mag.*

A CATALOGUE

OF THE

RECENT SPECIES OF CHITONES.

No.

1 Ch. Echinatus, *Barnes*, Amer. Journ. of Sc. vol. 7, No. 1, 1823. Tuberculiferus. *Sow.* Tanc. Cat. Spiniferus, Frembly, Zool. Journ. vol. 3, p. 196, Suppl. pl. xvi. f. 1. Spiniferus, Var. Con. Illus. f. 47, Peru.

2 Ch. Spinosus, *Brug.* Journ. D'Hist. Nat. vol. 1, p. 25. Sow. Gen. Chiton. f. 1, Con. Illus. f. 151, Australia.

3 Ch. Spiniger, *Nob.* Mag. Nat. Hist.* 1840, Con. Illus. f. 68.

4 Ch. Brevispinosus, *Nob.* Mag. Nat. Hist. 1840, Con. Illus. f. 136. Island Johanna.

5 Ch. Blainvillii, *Brad.* Zool. Proc. 1832, p. 27. Con. Illus. f. 6. Inner Lobos Island.

6 Ch. Rugosus, Gray ———— ? Con. Illus. f. 49.

7 Ch. Alternatus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 141. Japan.

8 Ch. Pectinatus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 146.

9 Ch. Loo-chooanus, *Sow.* Zool. Journ. vol. iv, p. 368, Loo-choo.

10 Ch. Piceus, *Gmel.* Linn, p. 3204, Wood, Gen. Con. t. 1, f. 3. convexus, granulatus, gemmatus, tu-

* Charlesworth's New Series of Lowdon's Magazine of Natural History for June, 1840.

No.

berculatus, unguiculatus, zonatus, *Auct.* Con. Illus. f. 147.

11 Ch. Magnificus, Gray ? *Con. Illus.* f. 52.

12 Ch. Niger, *Barnes*, Amer. Journ. Sc. vol. 7, No. 1, 1833, p. 671. Coquimbensis, Frembly, Zool. Journ. vol. iii, p. 197. Tab. Suppl. xvi, f. 2. Peru.

13 Ch. Squamosus, Linn. Syst. Nat. 1107, Wood, Gen. Con. pl. 1, f. 1, Var. *Bistriatus*, Wood, Chemn. Conch. 8, t. 94, f. 788, 791, Var. Obscurus. *Nob.* Con. Illus. f. 76. West Indies.

14 Ch. Siculus, *Gray*, Spic. Zool. 1, p. 5. Con. Illus. f. 123 to 125. Pollii Deshayes. Sicily.

15 Ch. Lyratus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 126.

16 Ch. Foveolatus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 60.

17 Ch. Excavatus, Gray ? Con. Illus. f. 131.

18 Ch. Fasciatus, Wood, Gen. Con. p. 10, Con. Illus. f. 153. South America.

19 Ch. Australis, *Nob.* Mag. Nat. Hist. Con. Illus. f. 46. Australia.

20 Ch. Stokesii, *Brod.* Zool. Proc. 1832, p. 25, Con. Illus. f. 24. Columbia.

21 Ch. Sulcatus, Wood, Gen. Con. p. 16, Con. Illus. f. 12.

22 Ch. Virgulatus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 132.

23 Ch. Patulus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 134.

24 Ch. Granulosus, Frembl. Zool. Journ. vol. iii, p. 201. Tab. Suppl. xvii, f. 3. Conception Bay.

25 Ch. Granosus, Frembl. Zool. Journ. vol. iii, p. 200. Tab. Suppl. xvii, f. 1. Chili.

26 Ch. Barnesii, Gray, Spic. Zool. 1, p. 5, Con. Illus. f. 2. Coquimbo.

No.

27 Ch. Marmoratus, *Gmel.* p. 3205, Con. Illus. f. 148, 149, 150. West Indies.

28 Ch. Cymbiola, *Nob.* Mag. Nat. Hist. Con. Illus. f. 45, 85, 86, Tulippa, Quoy, C. of G. H.

29 Ch. Articulatus, Sow. Zool. Proc. 1832, 59, Con. Illus. f. 18. California.

30 Ch. Lœvigatus, Sow. Zool. Proc. 1832, 59, Con. Illus. f. 18,* California.

31 Ch. Godallii, Con. Illus. f. 34, 50, Zool, Proc. 1332, p. 25. Gallapagos.

32 Ch. Bowenii, *King*, Zool. Journ. vol. 5, p. 338, Con. Illus. Chiton, f. 37, Terra del Fuego. *Str.* Magellan

33 Ch. Quoyi, *Bl.* Dict. des Sc. *Oscabrion*, Ch. viridis. Quoy et Gaimard, Voyage de 'lAstrolanbe, t. 3, p. 381, pl. 74, f. 17—22.

34 Ch. Striatus, *Barnes*, Amer. Journ. Sc. vol. 7, No. 1, 1823, Latus, *Sow.* Tanc. Cat. Olivaceus, *Frembl.* Zool. Journ. III, p. 199, Tab. Suppl. xvi. f. 4, Chili, Var. subfuscus, *Sow.* Zool. Proc. 1832, p. 26, Con. Illus. f. 3, 41, Chiloe.

35 Ch. Tenuistriatus *Nob.* Mag. Nat. Hist. Con. Illus. f. 135,

36. Ch. Lentiginosus, *Nob.* Mag. Nat. Hist. Con. Illus. 120—1.

37 Ch. Concinnus, *Nob.* Mag. Nat. Hist. Con. Illus. 1178. Chonos.

38 Ch. Evanidus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 139.

39 Ch. Georgianus, Quoy et Gaimard, Voy. Astrolabe, t. 3, p. 379, pl. 25 to 30. K. George's Port.

40 Ch. Cumingii, Frembl. Zool. Journ. vol. iii, p. 198. Tab. Suppl. xvi, f. 3. Var. Con. Illus. 32, 51. Valparaiso.

No.

41 Ch. Glanco-cinctus, Frembl. Zool. Journ. vol. iii. p. 201, Tab. Suppl. xvii, f. 2. Valparaiso.

42 Ch. Albo-lineatus, *Sow.* Zool. Journ. vol. 4, p. 368. Con. Illus. f. 39. Mexico.

43 Ch. Versicolor, *Nob.* Mag. Nat. Hist. Con. Illus. f. 75, var. 122.

44 Ch. Sculptus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 66.

45 Ch. Longicymba, *Bl.* Dict. des Sc. *Oscabrion*, Ch. var. Con. Illus. f. 67. Hunter's River.

46 Ch. Textilis, Gray, Spic. Zool. 1, p. 5, t. 6, f. 20. Ch. Indicus, Con. Illus. f. 55, var. Ch. Solea, Con. Illus. f. 61, Cape of G. H.

47 Ch. Dispar, Sow. Zool. Proc. 1832, p. 28, Con. Illus. f. 25, Panama.

48 Ch. Punctulatissimus, Sow. Zool. Proc. 1832, p. 28. Con. Illus. f. 9, 26. Beechy's Appendix, p. 40, f. 2, 3. Mexillones, Iquiqui. Africa.

49 Ch. Stramineus. Sow. Zool. Proc. 1832, p. 105. Con. Illus. f. 28, var. 838. Chiloe.

50 Ch. Fimbriatus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 137, Peru.

51 Ch. Apiculatus, Say? Con. Illus. f. 140. Massachusetts Bay.

52 Ch. Lævis. See Catalogue of British Chitones.

53 Ch. Cancellatus. Do.

54 Ch. Albus. Do.

55 Ch. Marginatus. Do.

56 Ch. Cinereus. Do.

57 Ch. Latus. Do. Fulminatus, Couthoy, Boston. Amer. Journ.

58 Ch. Limaciformis, Sow. Zool. Proc. 1832, p. 58. Con. Illus. f. 38. Columbia.

No.

59 Ch. Roseus, Sow. Zool. Proc. 1832, p. 58. Con. Illus. f. 14. Columbia.

60 Ch. Lyellii, Sow. Zool. Proc. 1832, p. 26. Con. Illus. f. 7. Pitcairn's Island.

61 Ch. Catenulatus, Sow. Zool. Proc. 1832, p. 104. Con. Illus. f. 145. Inner Lobos Island.

62 Ch. Rugulatus, Sow. Zool. Proc. 1832, p. 58, var. in conspicuus, Nob. Con. Illus. f. 42, 143, 144. Inner Lobos Island.

63 Ch. Grayi, *Sow.* Zool. Proc. 1832, p. 57. Con. Illus. f. 8, 16. Peru.

64 Ch. Crenulatus, Brod. Zool. Proc. 1832, p. 27. Con. Illus. f. 43.

65 Ch. Platymerus, Sow. Zool. Beech, Appendix, p. 149, pl. 41, f. 11.

66 Ch. Bipunctatus, Sow. Zool. Proc. 1832, p. 104. Con. Illus. f. 27, 155.

67 Ch. Pusillus, *Sow.* Zool. Proc. 1832, p. 57. Con. Illus. f. 31. Peru.

68 Ch. Exiguus, *Sow.* Zool. Proc. 1832, p. 104. Con. Illus. f. 36. Lord Hood's Island.

69 Ch. Fulvus, Wood, Gen. Con. p. 7, t. 1, f. 2. Con. Illus. f. 83, *var.?* (velatus,) Con. Illus. f. 53. Cadiz.

70 Ch. Swainsoni. Sow. Zool. Proc. 1832, p. 27. Con. Illus. f. 5. Peru.

71 Ch. Lineatus, Wood, Gen. Con. p. 15, pl. 2, f. 45. Con. Illus. f. 77.

72 Ch. Atratus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 57, 58. Falkland Island.

73 Ch. Castaneus, *Wood*, Gen. Con. p. 13, pl. 2, f. 2, 3; pl. 3, f. 2, 3. Con. Illus. f. 114, 115, 116. C. of Good Hope.

No.

74 Ch. Gigas. Gmel. p. 3206, Chem. Con. 8, t. 96, f. 819. C. of Good Hope.

75 Ch. Elegans, Frembly, *Tab.* Suppl. xvii, f. 6. Con. Illus. 119, f. 13, Valparaiso, *var.* Chilensis, *Frembly*, Zool. Journ. vol. iii, p. 204. Tab. Suppl. xvii. f. 8. Chili. *var.* Ch. Chiloensis, *Sow.* Zool. Proc. 1832, p. 58. Con. Illus. f. 13,* 10, 29, 30. Chiloe. var. Ch. Lineolatus, f. 154, Frembly, Zool. Journ. vol. iii. p. 204. Tab. Suppl. xvii, f. 7. Con. Illus. (*var.*) f. 50, 30, Valparaiso, *var.* Ch. Graniferus, *Sow.* Zool. Proc. 1832, p. 104. Conception Bay, *Young*, Sparsus, Con. Illus. f. 73, 74.

76 Ch. Fastigiatus, *Gray* ———— ? Con. Illus. f. 11, 35. California.

77 Ch. Disjunctus, *Frembly*, Zool. Journ. vol. iii, p. 203. Tab. Suppl. xvii, f. 5. Valparaiso.

78 Ch. Janierensis, *Gray* Sp. Zool. p. 6, f. 8. Con. Illus. f. 56, var. (*Occidentalis*). Con. Illus. f. 54. Rio Janiero.

79 Ch. Ellinensis, Sow. Zool. Proc, 1832, p. 27. Con. Illus. f. 69. St. Helena.

80 Ch. Cajetanus, *Polli.* Test. (Ch. concentricus). Con. Illus. f. 72.

81 Ch. Tunicatus, *Wood*, Gen. Con. p. 11, pl. 2, f. 1. Con. Illus. f. 152. Arctic Ocean.

82 Ch. Monticularis, *Quoy*, Voy. Astro. t. 3, p. 406, pl. 73, 30. to 36. Con. Illus. f. 129.

83 Ch. Vestitus, *Sow.* Zool. Journ. vol. 4, p. 368. Arctic Ocean. Ch. Emersoni, *Couthoy*, Mass. Bay. Con. Illus. f. 128.

84 Ch. Amiculatus, *Pallas*, Nov. Act. Petrop, ii, p. 241, t. 7, f. 26—30. Con. Illus. f. 80. Kurile Islands.

No.

85 Ch. (Chitonellus) Striatus, *Lam. Hist. Nat. Anim.* sans vert. vol. 6, p. 317. Con. Illus. f. 62. New Holland.

86 Ch. (Chitonellus) Lœvis, *Lam. Anim.* sans vert. vol. 6, p. 517. Sow. Gen. of Sh. New Holland.

87 Ch. (Chitonellus) Strigatus, *Nob. Mag. Nat. Hist.* Con. Illus. f. 63.

88 Ch. Hastatus, *Nab. Mag. Nat. Hist.* Con. Illus. f. 127.

89 Ch. Crinitus. See Cat. of British Chitones.

90 Ch. Fascicularis. Do.

91 Ch. Hirudiniformis, Sow. Zool. Proc. 1832, p. 59, Con. Illus. f. 23, 48, 142. Garnoti, Bl. Peru. Ch. Danielli. Con. Illus. f. 48, which comes from the Cape of Good Hope, may prove to be a distinct species—but all our Specimens are much worn.

92 Ch. Violaceus, *Quoy et Gaimard*, Voy. del' Astrolabe, t. 3, p. 403, pl. 73, f. 15, 16, var. 17, 20, Con. Illus. f. 133.

93 Ch. Retusus, *Sow.* Zool. Proc. 1832, p. 28, Con. Illus. f. 22. Guacomayo.

94 Ch. Peruvianus, *Lam.* Anim. sans. vert. Enc. Met. pl. 163, f. 7, 8, *var.* Zool. Journ. Tab. Suppl. f. 4, var. Con. Illus. f. 44, 44,* 44.** Peru.

95 Ch. Setiger, *King*, Zool. Journ. vol. 5, p. 338. Con. Illus. f. 17, var. Ch. Fremblii, *Brod.* Zool. Proc. 1832, p. 28, Con. Illus. f. 4, var. Ch. setosus, Zool. Beechey, Terra del Fuego, C. Biramosus, Quoy, Costatus, Bl.

96 Ch. Setosus, *Sow.* Zool. Proc. 1832, p. 27, Con. Illus. f. 19. Guacomayo.

97 Ch. Watsoni, *Nob.* Mag. Nat. Hist. Con. Illus. f. 81, 82, 130. Ch. Castanus, Quoy et Gaimard, Voy.

No.

Astr. t. 3, p. 387, pl. 74, f, 33—34. C. of Good Hope.

98 Ch. Hennahi, *Gray*, Sp. Zool. p. 5, Con. Illus. f. 1, 33. Callao Bay.

99 Ch. Spinulosus, *Gray*, Sp. Zool. p. 5, t. 6, f. 7, 7, a. Con. Illus. 70, 71, Rio Janiero. Ch. Columbiensis. Sow. Zool. Proc. Con. Illus. f. 15, Ch. Luridus. Sow. Zool. Proc. Con. Illus. f. 20? St. Helena.

100 Ch. Scabriculus, *Sow.* Zool. Proc. 1832, p. 28. Con. Illus. f. 21. Guacomayo.

101 Ch. Ciliatus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 79.

102 Ch. Petholatus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 64, 65. var. Porphyrius, f. 59. Australia.

N.B.—The remaining Plates, with the Index to the Chitones, will be published for June.

CORRECTED LIST OF FIGURES

In Parts 38 to 45, and 159 to 176.

The Nos. after the Names indicate the situation of the Species in the Catalogue.

Fig.
1 Hennahi, var. 93.
2 Barnesii, 26.
3 Striatus, var. 34.
4 Setiger, var. 95.
5 Swainsoni, 70.
6 Blainvillii, 5.
7 Lyelli, 60.
8 Grayi, 63.
9 Punctulatissimus, 48.
10 Elegans, var. 75.
11 Fastigiatus, 76.
12 Sulcatus, 21.
13 Elegans, 75.
13* ———, var. 75.
14 Roseus, 59.
15 Columbiensis, 99.
16 Grayi, var. 63.
17 Setiger, 95.
18 Articulatus, 29.
18* Lævigatus, 30.
19 Setosus, 96.
20 Luridus, 99.
21 Scabriculus, 100.
22 Retusus, 93.
23 Hirudiniformis, 91.
24 Stokesii, 20.
25 Dispar, 47.
26 Punctulatissimus, 48.
27 Bipunctatus, 66.
28 Stramineus, 49.
29 Elegans, var. 75.
30 ———— 75.

Fig.
31 Pusillus, 67.
32 Cumingii, 40.
33 Hennahi, var. 98.
34 Goodallii, var. 31.
35 Fastigiatus, 76.
36 Exiguus, 68.
37 Bowenii, 32.
38 Limaciformis, 58.
39 Albolineatus, 42.
40 Goodallii, 31.
41 Striatus, var. 34.
42 Rugulatus, 62.
43 Crenulatus, 64.
44 Peruvianus, var. 94.
45 Cymbiola, 28.
46 Australis, 19.
47 Echinatus, var. sp. 1.
48 Danielli, 91.
49 Rugosus, 6.
50 Elegans, var. 75.
51 Cumingii, var. 40.
52 Magnificus, 11.
53 Fulvus, var.? 69.
54 Janierensis, 78.
55 Textilis? 46.
56 Janierensis, 78.
57, 58. Atratus, 72.
59 Petholatus, var. 102.
60 Foveolatus, 16.
61 Textilis, 46.
62 (Chitonellus) striatus, 85.

Fig.
63 (Chitonellus) strigatus, 87.
64, 65. Petholatus, 102.
66 Sculptus, 44.
67 Longicymba, var. 45.
68 Spiniger, 3.
69 Elenensis, 79.
70, 71. Spinulosus, 99.
72 Cajetanus, 80.
73, 74. Elegans,(Young)75.
75 Versicolor, 43.
76 Squamosus, var. 13.
77 Lineatus, 71.
78 Rugulatus? 62.
79 Ciliatus, 101.
80 Amiculatus, 84.
81 Watsoni, 97.
82 ———— var. 97.
83 Fulvus, 69.
84 Spinulosus, 99.
85, 86. Cymbiola, var. 28.
87 to 113. British species, p. 7.
114 Castaneus, 73.
115, 116. Castaneus, var. 73.
117, 118. Concinnus, 37.
119 Elegans, 75.
120 Lentiginosus, 36.
121 ———— worn, 36
122 Versicolor, var. 43.
123 to 125. Siculus, 14.

Fig.
126 Lyratus, 15.
127 Hastatus, 88.
128 Vestitus, 83.
129 Monticularis, 82.
130 Watsoni, var. 97.
131 Excavatus, 17.
132 Virgulatus, 22.
133 Violaceus, 92.
134 Patulus, 23.
135 Tenuistriatus, 35.
136 Brevispinosus, 4.
137 Fimbriatus, 50.
138 Stramineus, var. 49.
139 Evanidus, 38.
140 Apiculatus, 51.
141 Alternatus, 7.
142 Hirudiniformis,
143 Rugulatus, var. 62.
144 ———— var. 62.
145 Catenulatus, 61.
146 Pectinatus, 8.
147 Piceus, 10.
148 Marmoratus, 27.
149 ———— var.
150 ———— var.
151 Spinosus, sp. 2.
152 Tunicatus, 81.
153 Fasciatus, 18.
154 Chilensis, var. Lineatus, 75.
155 Bipunctatus, 66.

George Odell, Printer, 18, Princes-street, Cavendish-square.

DESCRIPTIVE CATALOGUE

OF

BRITISH CHITONES,

By G. B. SOWERBY, Jun.

While engaged in preparing a Catalogue of the genus Chiton for publication, with these illustrations, my attention has been directed to the confusion, prevailing among authors and collectors, respecting the British species. It having consequently occurred to me that effectual service would be rendered to science by determining the nomenclature and synonymes of this section, I have procured specimens from the principal cabinets, through the kindness of their possessors, and compared them carefully with the published figures and descriptions. The following result is presented in a separate form, for the convenience of those collectors whose attention is confined to species found on our own coasts.

Sp. 1. Ch. FASCICULARIS.

Descr. Shell elongated, depressed; valves sub-triangular, coarsely granulated at the sides; with

a dorsal striated band; margin rough, hairy, with bunches of bristles on both sides; inserted laminæ of the valves narrow; colour brown, slightly varied, with one black, and two white, dorsal bands.

C. fascicularis, Linn. Syst. Nat. p. 1106.

Chemn. Conch. 10. t. 173. f. 1688.

Sow. Jun. Conch. Illustr. f. 87. 87 a.

Obs. This species is much more depressed than the following; the valves are closer at the sides, and the granulations coarser. As Linnæus appears not to have recognized two fasciculated species, it cannot be known which he intended to describe; but there can be no doubt of the present species being identical with that figured in Chemnitz.

Sp. 2. C. CRINITUS.

Descr. Shell oblong; strongly keeled by a dorsal striated rib; valves beaked, reniform, finely granulated at the sides, disunited at the extremities; margin smooth, hairy, fasciculated; inserted laminæ broad; colour various.

Ch. crinitus, Pennant, Brit. Zool.

Ch. discrepans, Brown.

Ch. fascicularis, Sow. Gen. of Sh. Wood's Gen. Conch. pl. 2. f. 6.

Ch. crinitus, Sow. Jun. Conch. Illustr. f. 88, 93.

Obs. This being the most common of the two fasciculated species, has been most frequently figured under the original name; which, however, it seems to me

most correct to retain for the shell of Chemnitz, his figure being the oldest, and universally quoted. The general appearance and the strong central band of striæ in Pennant's figure, leave no doubt on my mind that he intended to represent the shell to which we have fixed the name proposed by him.

Sp. 3. C. MARGINATUS.

Descr. Shell oval, carinated. elevated, posteriorly widened, minutely granulated; margin also minutely granulated; colour various.

Ch. marginatus, Pennant, Brit. Zool. Wood. Gen. Conch. f. 4.

Ch. cinereus, Zool. Jour. v. 5. p. 99. Wood Gen. Conch. f. 5. Chemn. Conch. 96. f. 818?

Red var. C. ruber? Chemn. Conch. t. 96. f. 813.

Black var. C. Asellus, Chemn. Conch. t. 96. f. 816.

Banded var. C. minimus, Chemn. Conch. t. 96. f. 814

C. marginatus and varieties, Sow. Jun. Conch. Illustr. f. 106 to 112.

Obs. This common species, including many varieties in colour, is more clearly referrible to C. Marginatus, of Pennant, than to C. cinereus, of authors; and without presuming to decide whether the description of Linnæus and the figure of Chemnitz were taken from ash coloured varieties of this or of the following species, I prefer applying the respective names as used by collectors at present. C. marginatus is more angular than the next species, and the granulations on the dorsal areas are not arranged in longitudinal lines.

C. minimus and C. asellus, of Chemnitz, may be black and banded varieties of this or of the next.

Sp. 4. C. CINEREUS.

Descr. Shell depressed, sub-carinated, minutely granulated; granulations on the central areas arranged in lines; margin minutely grained; colour various.

Ch. cinereus, Linn. Syst. Nat. p. 1106?

White var. C. albus, Auct?

Striped, C. cimex, Chemn. Conch. t. 96. 815.

Black, C. Asellus, Zool. Journ. vol. 5. pl. 5. f. 4.

Banded. C. minimus, Chemn. Conch? Asellus. (Young) Zool. Journ. v. 5. pl. 5. f. 3.

Ch. cinereus and varieties, Sow. Jun. Conch Illustr. Chiton, f. 94 to 98.

Obs. The comparative roundness and flatness of the shell, and the linear arrangement of the dorsal granules in this species distinguish it from the preceding. The white variety may have been the C. albus, of authors, but there is no proof of it, and having little else than colour to guide us, in reference to the ancient figures, it cannot be determined whether C. Asellus, of Chemn. is my black variety of C. marginatus, or Mr. Lowe's black var. of this species. The same difficulty occurs with respect to all the varieties.

Sp. 5. C. CANCELLATUS. Leach?

Descr. Shell elevated, narrow, with granulated striæ on the dorsal and lateral areas; margin minutely granular.

C. cancellatus, Sow. Jun. Conch. Illustr. f. 104. 104. a. b. 105.

Obs. This minute species is narrower, more elevated, and more distinctly striated, than the preceding.

Sp. 6. C. ALBUS.

Descr. Shell oval, depressed, sub-carinated, lightly and minutely granulated; margin scaly.

C. albus, Linn. Syst. Nat.? Mont. test. Brit.

Brown, var. C. Aselloides, Lowe, Zool. Journ. v. pl. v. f. 5.

C. albus and var. Sow. Jun. Conch. Illustr. Chiton 99. 99. a. 100.

Obs. Mr. Lowe, in a subsequent communication, states that his C. Aselloides is a variety of the C. albus, of Montagu. The latter may or may not be the C. albus, of Linnæus. It differs from the preceding in the arrangement of the granules, not being linear, and from C. marginatus in the large size, and regular arrangement of the granules, or rather scales of the marginal integument.

Sp. 7. C. LÆVIS.

Descr. Shell apparently smooth, but finely granulated, narrow, carinated: margin broad, velvety to the eye, but finely reticulated.

C. lævis, Pennant, Brit. Zool. 4. t. 36. f. 3? Lowe, Zool. Journ. vol. 5. p. 98. pl. 5. f. 1.

C. marginatus, Linn. Trans. viii. pl. 1. f 2.

C. lævis and var. Sow. Jun. Conch. Illustr. Chiton f. 101. 101. a. b. 102.

Sp. 8. C. RUBER.

Descr. Shell smooth, shining; valves beaked; margin minutely granular.

C. ruber, Linn. Syst. Nat.? Lowe, Zool. Journ. vol. 5. p. 101. pl. 5. f. 2. Sow. Jun. Conch. Illustr. Chiton, 103, 104.

Obs. Care must be taken to distinguish this from the red variety of C. marginatus, which it resembles in appearance, and to the unassisted eye seems almost equally smooth.

Sp. 9. C. LATUS.

Descr. Shell broad, smooth, sub-carinated, margin smooth; colour white and red, variegated.

C. latus, Lowe, Zool. Journ. vol. 5. pl. 5. f. 6, 7. Sow. Jun. Conch. Illustr. Chiton, f. 113, 113. a.

THE FOLLOWING BRITISH CHITONES ARE CONTAINED IN THE

CONCHOLOGICAL ILLUSTRATIONS,

Parts 165, 166, 167, 168.

Fig. 87. Chiton fascicularis, two views, enlarged one third. *a*, 5th. valve, magnified.

88 to 93. C. crinitus. 88. *a*, 5th valve, magnified. 92, Specimen with the hairs rubbed off, as frequently seen.

94 C. cinereus; *a*, fifth valve magnified.

95 to 98. C. cinereus and varieties. 98, *a*, 5th valve of white variety, magnified.

99. C. albus, enlarged. *a*, 5th valve magnified.

100. C. albus, var. Aselloides, *Lowe*.

101, 102. C. lævis. 102. *a*, enlarged. 101. a, 5th valve magnified. *b*, texture of margin.

103. C. ruber. *a*, inside; *b*, 5th valve, magnified.

104. C. cancellatus. *a*, 5th valve mag. *b*, figure enlarged.

105. cancellatus var.

106 to 112. C. marginatus, and varieties. 106, *a*, 5th valve, magnified; 110 *a*, 5th valve of red variety, magnified.

113. C. latus, Lowe, 2 views.

George Odell, Printer, 18, Princes-street, Cavendish-square.

A CATALOGUE

OF THE

RECENT SPECIES OF FISSURELLA,

BY G. B. SOWERBY.

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1 Fissurella picta, *Lam.*, Conch. Illust. f. 4, *var.* f. 26. Terra del Fuego.

2 ——— nimbosa, *Lam.*, Conch. Illust. f. 2. West Indies.

3 —— crassa, *Lam.* Conch. Illust. f. 9, 11, *F. Clypeiformis* mihi, Tank. Cat. app. p. vi. Lamarck's F. depressa is only a worn fragment of this species, as Mr. Gray informs me. Valparaiso.

4 —— græca, *Lam.* Conch. Illust. f. 3. Nevis and the West Indian Islands generally.

5 —— nodosa, *Lam.* Conch. Illust. f. 1. Trinidad, Antigua St. Vincents, &c.

6 ——Cayenensis, *Lam.* Conch. Illust. f. 7. Monte Christi, West Columbia, Mr. Cuming. Obs. In G. Humphrey's collection were many specimens of this, but without locality.

7 —— lilacina, *Lam.* Obs. This is entirely unknown to me.

8 —— rosea, *Lam.* Conch. Illust. f. 8, West Indies.

9 Barbadensis, *Lam.* Conch. Illust. f. 5. var. f. 6, var. alter. f. 76, Barbadoes and other Islands of the West Indies.

Obs. The var. represented f. 76 has been considered as a distinct species, and named virescens by Mr. Guilding.

10 Fissurella radiata, *Lam.* Conch. Illust. f. 62, var. i. 61, West Indies

Obs. This is perhaps only a variety of F. Barbadensis, it differs however from that species in the form of the dorsal aperture.

11 —— viridula, *Lam.* Conch. Illust. f. 13, Trinidad, Antigua, &c.

12 —— hiantula, *Lam.* Conch. Illust. f. 10, Southern Africa.

Obs. For a representation of this species *Lamarck* refers to Born. Vign. f. F. which is the same as I named *F. aperta* in the Tankerville Catalogue. The following are therefore synonyms of this species, viz: *Fissurella aperta,* Tank. Cat. app. p. vi. *Pupillæa aperta,* Gray in Supp. to Beechey's Narrative

13 —— Pustula, *Lam.* Conch. Illust. f. 20, Sowerby Genera, No. xxi. f. 3, Trinidad, Antigua, &c.

14 —— fascicularis, *Lam.* Conch. Illust. f. 14, Sowerby Genera, f. 6, West Indies.

15 —— Javanicensis, *Lam.* Conch. Illust. f. 12, Cape of Good Hope.

16 —— Peruviana, *Lam.* This is entirely unknown to me.

17 —— gibberula, *Lam.* Conch. Illust. f. 17. Panama, Mr. Cuming.

18 —— minuta, *Lam.* Conch. Illust. f. 16, Mediterranean.

19 —— crenulata, *mihi,* Tank. Cat. app. p. vi. Conch. Illust. f. 31, 38.

Obs. I have only seen four specimens of this species, they are in the collections of Dr. Goodall, the Manchester Museum, Mr. Cuming, and Mr. Lincoln; it is from the specimen of the last named gentleman, as being the best

of the four, that our figures were drawn. I am informed by that gentleman that it was found at Monterey, in Upper California.

20 Fissurella calyculata, *mihi*, Genera of Shells, No. xxi. f. 4. Conch. Illust. f. 19, 21.

21 —— maxima, *mihi*, Zool. Proc.* p. 123. Conch. Illust. f. 18, Valparaiso, Mr. Cuming.

22 —— grandis, *mihi*, Zool. Proc. p. 123. Conch. Illust. f. 48, Valparaiso and Chiloe, Mr. Cuming.

23 —— limbata, *mihi*, Zool. Proc. p. 123. Conch. Illust. f. 66, 74. var. f. 42, Syn. *F. picta, mihi*, Genera f. 1, Valparaiso, Mr. Cuming.

24 —— biradiata *Frembl.* M. S. Zool. Proc. p. 124. Conch. Illust. f. 23. Valparaiso, Mr. Cuming. var. Conch. Illust. f. 52, Iquiqui, Mr. Cuming.

25 —— lata *mihi*, Zool. Proc. p. 124. Conch. Illust. f. 63, † St. Mary's Island, Chili, Mr. Cuming.

26 —— pulchra, *mihi*, Zool. Proc. p. 124. Conch. Illust. f. 24, Valparaiso, Mr. Cuming.

27 —— oriens, *mihi*, Zool. Proc. p. 124. Conch. Illust. f. 25, var. f. 60, Island of Chiloe, Mr. Cuming.

28 —— Chilensis, *mihi*, Zool. Proc. p. 124. Conch. Illust. f. 36, Valparaiso, Mr. Cuming.

29 —— obscura, *mihi*, Zool. Proc. p. 125. Conch. Illust. f. 27, Gallapagos Islands, Mr. Cuming.

30 —— coarctata, *King*, Zoological Journal, vol, 5. p. 339. Conch. Illust. f. 22, Sowerby Genera of Shells, No. xxi. f. 2 *(Fissurella crassa)*. Port Praya.

* Proceedings of the Zoological Society of London, 1834.

† Miscalled F. Chilensis in the list published with the 76th and 77th parts. It is perhaps as well here to observe that these said lists are all to be cancelled eventually.

31 Fissurella virescens, *mihi*, Zool. Proc. p. 125. Conch. Illust. f. 37, * Panama, Mr. Cuming.

32 —— nigro-punctata, *mihi*, Zool. Proc. p. 125. Conch. Illust. f. 51, Gallapagos and Lobos Island, Mr. Cuming.

33 —— macrotrema, *mihi*, Zool. Proc. p. 125. Conch. Illust. f. 41, Gallapagos and Real Llejos, Mr. Cuming. var. Conch. Illust. f. 41, * Lobos Island, Mr. Cuming. var. Conch. Illust. f. 41, ** Lambeyeque, Peru, Mr. Cuming.

34 —— hians, *Broderip and Sowerby*, Zool. Journ. iv. p. 370, †

35 —— affinis, *Gray, Supp. to Beechey's Narrative*, Zool. Proc. p. 125. Conch. Illust. f. 44, Coast of Peru, Mr. Cuming. var. Valparaiso, Mr. Cuming.

36 —— inæqualis, *mihi*, Zool. Proc. p. 126. Conch. Illust. f. 45, Guacomayo and the Gallapagos Islands, Mr. Cuming.

37 —— Pica, *mihi*, Zool. Proc. p. 126. Conch. Illust. f. 32, St. Elena, Mr. Cuming. Variety, Conch. Illust. f. 33, Monte Christi, Mr. Cuming.

38 —— cancellata, *mihi*, Tank. Cat. No. 802. Conch. Illust. f. 29. *Patella cancellata*, Sol. M. S.; *Patella ventricosa* Gmel. according to Mr. Gray; *Foraminella Sowerbii*, Guilding M. S.; *Lucapina elegans* Gray, St. Vincents.

39 —— microtrema, *mihi*, Zool. Proc. p. 125. Conch. Illust. f. 50, Real Llejos, Mr. Cuming.

40 —— costata, *Gray*. Shell elliptical, rather depressed, with a few radiating obtuse ribs, externally greenish,

* Miscalled *F. coarctata* King, in the published list.

† The specimen being mislaid, this species cannot be figured.

smooth; within white with an undulated margin: dorsal aperture very small, elliptical; internal margin broad: length 2·0, breadth 1·5 inches. Conch. Illust. f. 28, St. Jago.

41 Fissurella olivacea, *Gray* in Brit. Mus. Conch. Illust. f. 57.

42 —— Scutellum, *Gray* in Brit. Mus. Conch. Illust. f. 34, Cape of Good Hope.

Obs. This is F. Trapezina *mihi*, in Zool. Proc. p. 126.

43 —— Europæa, *mihi*, Conch. Illust. f. 43. Shores of the British Channel, &c.

Obs. This is the Patella græca of British Conchological writers, and the F. cancellata of Gray in Annals of Philos. new series vol. 1. The Patella apertura of Montagu is the young of it.

44 —— Mediterranea, *Gray* in Brit. Mus. Conch. Illust. f. 30, Mediterranean.

45 —— macroschisma *Humphrey*, Conchology. Conch. Illust. f. 39, New South Wales. var. f. 39,* Swan River.

Obs. This forms the Genus Macroschisma of *Gray*.

46 —— Noachina *mihi*, Conch. Illust. f. 15. Leach's British Shells, Tab. x. f. 4, 5 *(Cemoria Flemingii)*.

Obs. This is *Patella Fissurella*, Müll. Zool. Dan. t. 24, f. 4—6. *Patella Noachina*, Chemn. t. 197, f. 1927, 1928, who says it is British; and the Genus *Puncturella* of Lowe, Zool. Journ. iii. p. 77, who found it at Oban in Argyleshire.

47 —— Chemnitzii *mihi*, Conch. Illust. f. 55. Zool. Proc. p. 126.

48 Fissurella latimarginata, *mihi*, Zool. Proc. p. 126. Conch. Illust. f. 69, Valparaiso and Iquiqui, Mr. Cuming.

49 —— æqualis *mihi*, Zool. Proc. p. 127. Conch. Illust. f. 56, St, Elena, Mr. Cuming.

50 —— fulvescens, *mihi*, Zool. Proc. p. 127. Conch. Illust. f. 49, Valparaiso, Mr. Cuming.

51 —— nigrita, *mihi*, Zool. Proc. p. 127. Conch. Illust. f. 47, Cape of Good Hope.

52 —— aspera, *mihi*, Zool. Proc. p. 127. Conch. Illust. f. 46, Pacosmayo, Peru, Mr. Cuming.

53 —— asperella, *mihi*, Zool. Proc. p. 127. Conch. Illust. f. 71, Lobos Island, Peru, Mr. Cuming.

54 —— mutabilis, *mihi*, Zool. Proc. p. 127. Conch. Illust. f. 67, 70, Cape of Good Hope, Mr. Cuming. Brazil? Humphrey

55 —— Panamensis, *mihi*, Zool. Proc. p. 127. Conch. Illust. f. 72. var. f. 72,* Panama, Mr. Cuming.

56 —— Ruppellii, *mihi*, Zool. Proc. p. 128. Conch. Illust. f. 65, 75, Nevis, *Mr. Powers*; Red Sea, *Rüppell.*

57 —— Clypeus, *mihi*, Zool. Proc. p. 128. Conch. Illust. f. 77, St. Elena, Mr. Cuming.

58 —— subrostrata, *Gray*,* Conch. Illust. f. 35. Shell oval, somewhat depressed, anteriorly subrostrated, extremities raised; white within, with a crenated margin; externally radiately ribbed, ribs rather distant, muricated; dorsal aperture small, elliptical, its internal edge broad: length 1·1, breadth 0·8 inches. Mr. Gray has a single specimen in his own collection, from St. Vincents.

59 —— sanguinea, *Gray*, Conch. Illust. f. 53. Shell ovate-oblong, depressed, extern[illegible] white, radiately ribbed

* Not Guilding, as printed incorrectly in the list.

and striated; ribs obtuse, their interstices spotted with bright red; inside white, somewhat transparent, edge crenated; dorsal aperture oblong.

Obs. I have only seen one specimen which is in Mr. Gray's Collection.

60 Fissurella Tongana, *Quoy and Gaimard*, Zool. de l'Astrolabe III. p. 335. t. 68. f. 3. 4. Tonga-tabou.

Obs. I have never seen this species.

61 —— Afra, *Quoy and Gaimard*, Zool. de l'Astrolabe III. p. 336. Tab. 68. f. 5. 6. Cape de Verd Islands.

Obs. I have never seen this species.

62 —— Lincolni, *Gray*. Conch. Illust. f. 40. Monterey, Upper California.

Obs. A splendid species obligingly lent by Ab. Lincoln, Esq. to be drawn for this work. The only specimen hitherto known is in his collection.

63 —— candida, *mihi*, Conch. Illust. f. 58. Shell oblong, white, subhyaline, externally marked with distinct decussating striæ, dorsal aperture anterior, oblong, wider in the middle, contracted at each end, its internal margin broad, truncated posteriorly. Locality unknown. In my own and Mr. Cuming's collection.

64 —— obtusa *mihi*, Conch. Illust. f. 59. Cape of Good Hope, Humphrey. Shell elliptical, rather elevated, pale coloured, with radiating striæ and dark purplish bands; inside green; dorsal aperture elliptical; its internal margin broad, equal, sometimes with a dark purple edge.

Obs. All the specimens I have seen were in G. Humphrey's collection.

65 —— linenta *mihi*, Conch. Illust. f. 68. Shell oblong,

rather elevated and obtuse at both extremities; cancellately ribbed; a few of the ribs pale purple; dorsal aperture small, much nearer to the anterior than to the posterior end, its margin internally truncated posteriorly: margin crenated.

Obs. The only two specimens I have seen were in G. Humphrey's collection, they are now in Mr. Cuming's.

66 Fissurella rugosa, *mihi*. Conch. Illust. f. 54. Shell of a rather lengthened oval shape, depressed, whitish, varied with dark red brown, and covered with a few large rugose radiating ribs and some smaller interstitial ones; dorsal aperture nearer to the anterior extremity, oblong, its internal margin rather wide, with a dark border; inside green; edge of the whole shell irregularly sinuous: length 1·0, breadth 0·6 inches, Gallapagos Islands, Mr. Cuming.

67 —— Mexicana *mihi*, Conch. Illust. f. 61. Shell oblong, reddish brown, with darker rays, and numerous close-set radiating grooves, which are decussated by very fine concentric striæ; dorsal aperture oblong, rather contracted in the middle, and with two obsolete teeth on each side; inside white, with a purplish brown crenulated margin: length 1·25, breadth 0·56. Real Llejos, Mexico; Mr. Cuming.

68 —— crenifera, *mihi*, Zool. Proc. p. 128. Conch. Illust. f. 73, Real Llejos, Mr. Cuming.

LIST OF FIGURES OF FISSURELLÆ

In Parts 68 to 78, and 80 of the

Conchological Illustrations.

Fig.

1 F. nodosa *Lam.*
2 F. nimbosa *Lam.*
3 F. Græca *Lam.*
4 F. picta *Lam.*
5 F. Barbadenis *Lam.*
6 F. ——— var.
7 F. Cayenensis *Lam.*
8 F. rosea *Lam.*
9 F. crassa *Lam.* young.
10 F. hiantula *Lam*
11 F. crassa *Lam.*
12 F. Javanicensis *Lam.*
13 F. viridula *Lam.*
14 F. fascicularis *Lam.*
15 F. Noachina *nobis.*
16 F. minuta *Lam.*
17 F. gibberula *Lam.*
18 F. maxima *nobis.*
19 F. calyculata *nobis.*
20 F. Pustula *Lam.*
21 F. calyculata *nobis.*
22 F. coarctata *King.*
23 F. biradiata *Frembly.*
24 F. pulchra *nobis.*
25 F. Oriens *nobis.*
26 F. picta *Lam.* var.
27 F. obscura *nobis.*
28 F. costata *Gray.*
29 F. cancellata *nobis.*
30 F. mediterranea *Gray.*
31 F. crenulata *nobis.*
32 F. Pica *nobis.*
33 F. Pica var. nobis.
34 F. Scutellum *Gray.*
35 F. subrostrata *Guilding.*

36 F. Chilensis *nobis*..
37 F. coarctata *King*.
38 F. crenulata *nobis*.
39 F. macroschisma.
39* F. macroschisma var.
40 F. Lincolni *Gray*.
41 F. macrotrema *nobis*.
41** F. macrotrema var.
42 F. limbata var. *nobis*.
43 F. europæa *nobis*.
44 F. affinis *Gray*.
45 F. inæqualis *nobis*.
46 F. asper *nobis*.
47 F. nigrita *nobis*.
48 F. grandis *nobis*.
49 F. fulvescens *nobis*.
50 F. microtrema *nobis*.
51 F. nigropunctata *nobis*.
52 F. biradiata *var*.
53 F. sanguinea *nobis*.
54 F. rugosa *nobis*.
55 F. Chemnitzii *nobis*.
56 F. æqualis *nobis*.
57 F. olivacea *Gray*.
58 F candida *nobis*.
59 F. obtusa *nobis*.
60 F. oriens var. *nobis*.
61 F. Mexicana *nobis*.
62 F. radiata *Lam*.
63 F. Chilensis *nobis*.
64 F. radiata *Lam. var*.
65 F. Ruppellii *nobis*.
66 F. limbata *nobis*.
67 F. mutabilis *nobis*.
68 F. lineata *nobis*.
69 F. latimarginata *nobis*.
70 F. mutabilis *var*.
71 F. asperella *nobis*.
72 F. Panamensis *nobis*.
72*F. Panamensis *var*.
73 F. crenifera *nobis*.
74 F. limbata *nobis*.
75 F. Ruppellii *nobis*. Red Sea.
76 F. Barbadensis *var*.
77 F. Clypeus *nobis*.

BULINUS.

LIST OF FIGURES,

In Parts, 21, 22, 23, 26, 27, 30, 31, 34, 35, 137 to 146, 185, 186, of the CONCHOLOGICAL ILLLUSTRATIONS,

BY

G. B. SOWERBY, Jun.

Fig. 1*B. Broderipii. *Sow.* Z. P. 1832. Copiapo in Chili.

1**B. Broderipii var. *Sow.* Z. P. 1832. Inquiqui in Peru.

2 B. nitidus *Brod.* Z. B. 1832. Tumbez in Peru.

2* B. Cactivorus *Brod.* Z. P. 1832. Monte Christi in West Columbia.

3 B. Coturnix *Sowerby*, Z. P. 1832. Huasco in Chili.

4 B. Chilensis *Sowerby*, Coquimbo.

5 B. rosaceus *King*, Zool. Journ. vol. v. p. 341, Valparaiso.

6 & 6*B. vittatus *Brod.* Z. P. 1832, Ilo, Peru.

7 B. granulosus *Brod.* Z. P. 1832, Valparaiso.

7* B. granulosus var. *Brod.* Z. P. 1832. Conception.

8 B. Coquimbensis *Brod.* Z. P. 1832, Coquimbo.

9 *Partula hyalina*, *Brod.* Z. P. 1832, Oheataroa or Rurutu

10 B. guttatus *Brod.* Z. P. 1832, Cobija, Peru.

11 B. translucens *Brod.* Z. P. 1832, Panama

12 B. Gravesii *King*, Zool. Journ. v. p. 340, Maule, Chili.

12* B. Gravesii var. Conception.

12**B. Gravesii, var. Quilliotta.

13 B. Scalariformis *Brod.* Z. P. 1832, Ancon, Peru.

14 B. Proteus *Brod.* Z. P. 1832. Truxillo.
14a B. Proteus var. Z. P. 1832 St. Jacinta.
14b B. Proteus var. *Brod.* Z. P. 1832. Pacosmayo.
14c B. Proteus var. *Brod.* Z. P. 1832. Lima.
15 B. mutabilis *Brod.* Z. P. 1832. Santos, Peru.
15* B. mutabilis var. *Brod.* Z. P. 1832. Campania of Truxillo.
16 B. versicolor *Brod.* Z. P. 1832. Mongon, near Casma.
16* B. versicolor var. *Brod.* Z. P. 1832. Mongon, near Casma.
17 B. pulchellus *Brod.* Z. P. 1832. Truxillo.
18 B. Princeps *Brod.* Z. P. 1832. Conchagua, Central America.
19 B. modestus *Brod.* Z. P. 1832. Huacho, Peru.
20 B. varians *Brod.* Z. P. 1832. Truxillo, Peru.
20* B. varians var. *Brod.* Z. P. 1832.
21 B. Tigris *Brod.* Z. P. 1832. Truxillo, Peru.
22 B. albicans *Brod.* Z. P. 1832. Huasco, Chili.
22* B. albicans var. *Brod.* Z. P. 1832. Copiapo, Chili.
23 B. pustulosus *Brod.* Z. P. 1832. Huasco.
24 B. scabiosus *Sow.*
25 B. Panamensis *Brod.* Z. P. 1833. I. of Saboga, Panama.
26 B. vexillum *Brod.* Z. P. 1832. Isle of Saboga.
27 B. pupifornis *Brod.* Z. P. 1832. Huasco.
28 B. chrysalidiformis *Sow.* Z. P. 1833.
29 B. bilineatus *Sow.* Z. P. 1833. St. Elena.
30 B. affinis *Brod.* Z. P. 1832. Hill of Mexillones.
31 B. turritus *Brod.* Z. P. 1832. Truxillo.
32 B. rubellus *Brod.* Z. P. 1832. Truxillo.
33 B. Nucleus *Sow.* Straits of Magalhæns.
34 B. arrosus *Brod.* Z. P. 1832.
35 B. Javanicus *Sow.* } Java.
35* B. do. young }
36 B. punctulifer *Sow.* Z. P. 1833. Questo Prado, Chili.
37 B. Nux. *Brod.* Z. P. 1832. Galapagos Islands.
37* B. Nux *Brod.* Z. P. 1832. Galapagos Islands.
38 B. derelictus Brod. Z. P. 1832. Cobija.
39 B. scutulatus *Brod.* Z. P. 1832. Islay, Peru.
39* B. pallidior, *nobis.* South Sea Islands.
40 B. rugiferus *nobis.* Gallapagos Islands.
41 B. calvus *nobis.* Gallapagos Islands.
42 B. ustulatus *nobis.* Gallapagos Islands.
43 B. unicolor, *nobis.* Panama.
44 B. pallidior, *nobis.* var.

45 B. Jacobi, *nobis*, two varieties.
James's Island, one of the Gallapagos.
46 B. bivittatus, *nobis*. Brazil.
47 B. opalinus, *nobis*. Brazil.
48 B. lacticolor, *nobis*.
49 B. conspersus *nobis*. Lima.
50 B. erythrostoma *nob*. Copiapo.
51 B. albus *Brod*. Copiapo.
52 B. discrepans *nobis*. San Salvador.
53 B. Luzonicus *nob*. ovoideus Brug. Manilla.
54 B. undulatus. Bulinulus undulatus. *Guilding*, St. Vincents.
55 B. unifasciatus *nob*. Galapagos Islands.
56 B. striatus *King*. Santos, Peru.
57 B. signatus. Macroceramus signatus *Guilding*, St. Vincents.
58 B. striatulus *nobis*. Hills of Lima.
59 B. Mahogani *nobis*.
60 B. Crichtoni *Brod*. two views.
61 B. inflatus *Brod*. three views.
62 B. hygrohylæus *D'Orb*. two views.
63 B. maximus *Sowerby, in Tank. Cat.*
Helix kremnoica *D'Orb*. one view.
64 B. apodemetes *D'Orb*. two views.
64* B. apodemetes *var*. one view.
65 B. lophoicus *D'Orb*. Bolivia.
66 B. Pusio *Brod*.
67 B. Inca *D'Orb*.
68 B. pæcilus *D'Orb*.
69 B. pæcilus var. *D'Orb*.
70 B. thamnoicus var. *D'Orb*.
71 B. thamnoicus var. *D'Orb*. two views.
72 B. thamnoicus var. *D'Orb*.
73 B. Sporadicus *D'Orb*. Corrientes.
74 B. Sporadicus *D'Orb*. Corrientes.
75 B. Sporadicus *D'Orb*. Corrienties.
76 B. auritus. *nob*. Bahia.
77 B. Tupacii *D'Orb*.
78 B. Sporadicus *D'Orb*. Bolivia.
79 B. melanostoma var ?
80 B. Onca *D'Orb*.
81 B. Lychnorum *D'Orb*.
82 B. Lychnorum var. alba. *D'Orb*.
83 B. Bacterionides *D'Orb*.
84 B. montivagus *D'Orb*.
85 B. eschariferus *nob*. *Galapagos*.
86 B. culmineus *D'Orb*.

87 B. rugulosus *nob.* Galapagos.
88 B. melanostoma var.
89 B. multicolor.
90 B. Myersii, *Miller.*
91 B. pulchellus, *nob.* Huallaga.
92 B. pulchellus var. Huallaga.
93 B. piperitus, *nob.* Huallaga.
94 B. Milleri, *nob.*
95 B. strigatus, *nob.* Huallaga.
96 B. strigatus var. Huallaga.
97 B. Janeirensis, *nob.* Rio de Janeiro.
98 B. perplexus *nob.*
99 B. Downesii *Gray.*
100 B. maculiferus *nob.*
From Lady Harvey's Collection.
101 B. hæmastoma *var.*
102 B. proximus *nob.*
103 B. hæmastoma, var.
104 B. ovoideus, B*rug.*
105, 106, & 107 B. ovoideus, varieties.
108 B. porraceus, *Jay.*
109, 110, & 111 B. porraceus, varieties.
112 B. virgatus, *Jay.*
113 B. virgatus, var.
114 B. virgatus, var.
115 B. fictilis, B*rod.*
116 E. fictilis, B*rod.* var.
117 B. larvatus, B*rod.*

A CATALOGUE

Of all the Species hitherto known of the Genus Chilina, of Gray, represented in the 135th and 136th parts of

Conchological Illustrations,

By G. B SOWERRY, Jun.

Spec. 1 Chilina Dombeyana. Conch. Illustr. f. 11.

2. ——— ampullacea. *Sowerby*. Malacological and Conchological Mag. part 2. Conch. Illustr. f. 3.
3. ——— tenuis. *Gray*. Conch. Illustr. f. 12.
4. ——— fluctuosa. *Gray*. Spicilegia Zoologica. t. 6. f. 19. Conch. Illustr. f. 2.
5. ——— fluviatilis. *Gray*. In Mus. Brit. Conch. Illustr. f. 5.
6. ——— fluminea. *Gray*. Spicil. Zool. p. 5. Conch. Illustr. f. 7.
7. ——— major. *Sowerby*. Malacol. and Conchol. Mag. part 2, Conch. Illustr. f. 10.
8. ——— robustior. *Sowerby*. Malacol. and Conchol. Mag. part 2. Conch. Illustr. f. 1.
9. ——— Parchappii *D'Orb*. Synops. Conch. Illustr. f. 8.
10. ——— Tehuelcha. *D'Orb*. M. S. Conch. Illustr. f. 9.
11. ——— Puelcha. *D'Orb*. M. S. Conch. Illustr. f. 13.
12. ——— gibbosa. *Sowerby*. Malacol. and Conchol. Mag. part 2. Conch. Illustr. f. 4.
13. ——— ovalis. *Sowerby*. Malacol. and Conchol. Mag. part 2. Conch. Illustr. f. 6.

LIST OF FIGURES.

Fig. 1. Chilina robustior
2. ——— fluctuosa.
3. ——— ampullacea
4. ——— gibbosa.
5. ——— fluviatilis.
6. ——— ovalis.
7. ——— fluminea.
8. ——— Parchappii.
9. ——— Tehuelcha.
10. ——— major.
11. ——— Dombeyana.
12. ——— tenuis and var.
13. ——— Puelcha.

A CATALOGUE

OF ALL THE RECENT SPECIES HITHERTO KNOWN OF THE GENUS

Neritina,

Figured in Parts 86, 87, 90, 91, 94 *to* 100, *of the*

CONCHOLOGICAL ILLUSTRATIONS,

BY

G. B. SOWERBY, Jun.

Spec. 1. N. pulligera *Lam.* Hist. nat. des. Anim. sans vert. Encycl. method t. 455. f. 1. Conch. Illustr. f. 26. Genera of Recent and Fossil Shells, Neritina, f. 6. India.

2. N. canalis *Sowerby* Tank. Cat. No. 1094, app. p. xi. Wood Ind. Test. Sup. Nerita, f. 17. Conch. Illustr. f. 22. Tahiti.

3. N. dubia *Lam.* Chemn. V. f. 2019. 2020. Wood Ind. test. t. 35. Nerita. f. 29. Conch. Illustr. f. 28.

4. N. Zebra *Lam.* Encycl. method. t. 455. f. 3. Wood Ind. test. t. 35, Nerita f. 18. Tahiti.

5. N. Ziczac *Lam.* Conch. Illustr. f. 41.

6. N. punctulata *Encycl. method* t. 455. f. 2. Conch. Illustr. f. 21 Isle St. Vincents.

7. N. gagates *Lam.* Conch. Illustr. f. 29.

8. N. lugubris *Lam.* Conch. Illustr. f. 38.

9. N. Corona. *Lam.* l. c. *Sowerby* Genera of Recent and Fossil Shells, Neritina f. 3. Conch. Illustr. f. 20. Mauritius.

Sp .10. N. spinosa *Budgin* M. S. *Sowerby*, Tank. Cat. No. 1102 Conch. Illustr. f. 9. Tahiti.

11. N. brevispinosa *Lam.* Conch. Illustr. f. 8. 8. *a. b. c. d. e.* (Spinosa *Wood Sup.* t. 8. Nerita f. 12.) Timor and Haynam. Humphrey.

12. N. crepidularia *Lam.* Wood Sup. t. 8. Nerita f. 6. Conch. Illustr. f. 25. River Hoogly, Calcutta.

13. N. auriculata *Lam.* Encycl. method. t. 455. f. 6. Conch. Illustr. f. 17. Sumatra.

14. N. Domingensis *Lam.* Conch. Illustr. f. 42. St. Domingo (Lamarck.)

15. N. fasciata *Lam.* Encycl. method. t. 455. f. 5. Conch. Illustr. f. 35.

16. N. lineolata *Lam.* Chemn. ix. f. 1081. Encycl. method. t. 455. f. 4. Conch. Illustr. f. 37.

17. N. semiconica *Lam.* Chemn. ix. f. 1087. Wood Sup. t. 8. Nerita f. 15 India. Conch. Illus. f. 23.

18. N. strigilata *Lam.* Conch. Illustr. f. 4. var. f. 32. (turrita Chemn. ix. f. 1085.) Sumatra.

19. N. Meleagris *Lam.* Chemn. ix. t. 124. f. D. L. Conch. Illustr. f. 19. (3 var.) (Nerita pulchella Wood. Sup. t. 8. f. 18.) Brazil.

20. N. virginea *Lam.* Chemn. ix. t. 124. f. H. I. Conch. Illustr. f. 27. (six var.) W. Indies.

21. N. fluviatilis *Lam. Drap.* t. 1. f. 3. 4. Conch. Illustr. f. 33. Europe.

22. N. viridis *Lam.* Chemn. ix. f. 1081. 1082. Conch. Illustr. f. 24. (2 var.) West Indies. Antigua.

23. N. Bætica *Lam.* Conch. Illustr. f. 45. Spain.

24 N. granosa *Sowerby* Tank. Cat. No. 1115. Conch. Illustr. f. 6. (papillosa *Jay* Cat. of Recent Shells, pl. 4. f. 11. 11. 11.

25. N. Oweniana *Gray.* Wood Sup. t. 8. Nerita f. 8. Conch. Illustr. f. 15. Africa.

Sp. 26. N. cariosa *Gray*. Wood Sup. t. 8. Nerita f. 9. Conch. Illustr. f. 5. (In the list published with the 91st. part of Conch. Illustr. this is incorrectly named N. Caffra *Gray*.)

27. N. Caffra *Gray*. Woods Sup. t. 8. Nerita. f. 10. Conch. Illustr. f. 51. Fernando Po.

28. N. Smithii *Gray*. Wood Sup. t. 8. Nerita f. 11. Conch. Illustr. f. 36. River Hoogly, Calcutta.

29. N. latissima *Brod*. Zool. Proc. Part II. 1832 p. 201. Conch. Illustr. f. 3. var. Conch. Illustr. f. 16. Real Llejos.

30. N. dilatata. *Brod*. Zool. Proc. l. c. Conch. Illustr. f. 11. Tahiti.

31. N. globosa *Brod*. Zool. Proc. l c. Conch. Illustr. f. 12. (Owenii Wood Sup. t. 8. Nerita f. 16.) Chiriqui.

32. N. Nux. *Brod*. Zool. Proc. l. c. Conch. Illustr. f. 39. Tahiti.

33. N. intermedia *Sowerby*, Zool. Proc. loc. cit. Conch. Illustr. f. 7. Bay of Montejo and Gulf of Nocoiya.

34. N. chlorostoma, *Sowerby*, Zool. Proc. l. c. Conch. Illustr. f. 34. Tahiti.

35. N. picta, *Sowerby*, Zool. Proc. l. c. Conch. Illustr f. 1. Panama.

36. N. reticulata *Sowerby*, Zool. Proc. l. c. Conch. Illustr. f. 2. Lord Hood's Island.

37. N. Morio, *Sowerby*, Zool. Proc. l. c. Conch. Illustr. f. 40. Ducie's and Easter Islands.

38. N. Faba, *Sowerby*, Conch. Illustr. f. 10. Singapore.

39. N. Afra. *Sowerby*, Conch. Illustr. f. 13. Fernando Po.

40. N. piperina *Chemn*. Conch. Illustr. f. 18. Malabar, Chemn. Found among Pepper.

41. N. subgranosa, *Sowerby*, Conch. Illustr. f. 14. Timor.

Sp. 42. N. Prevostiana Conch. Illustr. f. 46. Europe.
43. N. Danubialis, *Sadler*, Conch. Illustr. f. 47. Danube.
44. N. Dalmatica, *Partsch*, Conch. Illustr. f. 57. Dalmatia.
45. N. Pupa, *Dillw*, Conch. Illustr. f. 30. Providence Island, and Haynam.
46. N. lutescens, *Muhlf.* Conch. Illustr. f. 56. (varia. Parr.) Cephalonia.
47. N. rivalis, *Parreyss,* Conch. Illustr. f. 58. Europe.
48. N. Jordani, *Sowerby*, Conch. Illustr. f. 49. (3 var.) River Jordan, Dr. Butler.
49. N. labiosa, *Sowerby*, Conch. Illustr. f. 48.
50. N. subsulcata, *Sowerby*, Conch. Illustr. f. 50.
51. N. reticularis, *Sowerby*, (reticulata, *Benson*) Conch. Illustr. f. 44. Calcutta.
52. N. obtusa, *Benson*, Conch. Illustr. f. 43. Calcutta.
53. N. Coromandeliana, *Sowerby*, Conch. Illust. f. 52. Coromandel. (*Humphrey*, ex mus. Portl.)
54. N. Philppinarum, *Sowerby*, Conch. Illustr. f. 53. Manilla.
55. N. Cassiculum, *Sowerby*, Conch. Illustr. f. 55.
56. N. Sumatrensis, *Sowerby*, Conch. Illustr. f. 54.
57. N. pulchra, *Sowerby*, Conch. Illustr. f. 59.
58. N. triserialis, *Sowerby*, Conch. Illustr. f. 60.
59. N. Guyaquilensis, *D'Orb.* Guyaquil.

Neritina.

CORRECTED LIST OF FIGURES.

Fig. 1. N. picta, *Sow*. Sp. 35.
2. N. reticulata, *Sow*. Sp. 36.
3. N. latissima, *Brod*. Sp. 29.
4. N. Strigilata, *Lam*. Sp. 18.
5. N. cariosa, Gray, Sp. 26.
6. N. granosa, *Sow*. Sp. 24.
7. N. intermedia, Sow. Sp. 33.
8. N. brevispinosa, Lam. Sp. 11.
9. N. spinosa, *Budgin*, Sp. 10.
10. N. Faba, *Sow*. Sp. 38.
11. N. dilatata, *Brod*. Sp. 30.
12. N. globosa, *Brod*. Sp. 31.
13. N. afra, *Sow*. Sp. 39.
14. N. subgranosa, *Sow*. Sp. 41.
15. N. Oweniana, *Gray*, Sp. 25.
16. N. latissima, *Brod*. Sp. 29.
17. N. auriculata, *Lam*. Sp. 13.
18. N. piperina, *Chemn*. Sp. 40.
19. N. Meleagris, Lam. Sp. 19.
20. N. Corona, *Lam* Sp. 9.
21. N. punctulata, *Lam*. Sp. 6.
22. N. canalis, *Sow*. Sp. 2.
23. N. semiconica, *Lam*. Sp. 17.
24. N. viridis, *Lam*. Sp. 22.
25. N. crepidularia, *Lam*. Sp. 12.
26. N. pulligera, *Lam*. Sp. 1.
27. N. virginea, *Lam*. Sp. 20.

Fig. 28. N. dubia, *Lam.* Sp. 3.
29. N. gagates, Lam. Sp. 7.
30. N. pupa, *Dillwyn*, Sp. 45.
31. N. Zebra, *Lam.* Sp. 4.
32. N. strigilata, *Lam.* var. Sp. 18.
33. N. fluviatilis, *Lam.* Sp. 21.
34. N. chlorostoma, *Sow.* Sp. 34.
35. N. fasciata, *Lam.* Sp. 15.
36. N. Smithii, *Gray*, Sp. 28.
37. N. lineolata, Lam. Sp. 16.
38. N. lugubris, *Lam.* Sp. 8.
39. N. Nux, *Brod.* Sp. 32.
40. N. Morio, *Sow.* Sp. 37.
41. N. ziczac, *Lam.* Sp. 5.
42. N. Domingensis, Lam. Sp. 14.
43. N. obtusa, *Benson*, Sp. 52.
44. N. reticularis, Sow. Sp. 51.
45. N. Bætica, *Lam.* Sp. 23.
46. N. Prevostiana, Sp. 42.
47. N. Danubialis, *Sadler*, Sp. 43.
48. N. labiosa, *Sow.* Sp. 49.
49. N. Jordani, *Sow.* Sp. 48.
50. N. subsulcata, Sow. Sp. 50.
51. N. Caffra, *Gray*, Sp. 27.
52. N. Coromandeliana, Sow. Sp. 53.
53. N. Philippinarum, Sow. Sp. 54.
54. N. Sumatrensis, Sow. Sp. 56.
55. N. Cassiculum, Sow. Sp. 55.
56. N. lutesens, Sp. 46.
57. N. Dalmatica, *Partch*, Sp. 44.
58. N. rivalis, Parreyss, Sp. 47.
59. N. pulchra, Sow. Sp 57.
60. N. triserialis, Sow. Sp. 58.

A CATALOGUE

OF THE

RECENT SPECIES OF THE GENUS

EULIMA.

§ 1. perforatæ.

Sp. 1 splendidula *nobis*. Conch. Ill. f. 7. St. Elena. Mr. Cuming.

2 marmorata *nobis*. Conch. Ill. f. 8.

3 interrupta *nobis*. Conch. Ill. f. 11. Gulf of Nocoiyo, Mr. Cuming.

4 imbricata, *nobis*. Conch. Ill. f. 4. St. Elena, Mr. Cuming.

5 brunnea *nobis*. Conch. Ill. f. 9. Haynam and China.

§ 2. imperforatæ.

6 brevis *nobis*. Conch. Ill. f. 15. Lord Hoods Island, Mr. Cuming.

7 hastata *nobis*, Conch. Ill. f. 10. St. Elena, Mr. Cuming.

8 major *nobis*. Conch. Ill. f. 1. var. f. 1* and f. 1.** Tahiti, Mr. Cuming.

9 labiosa, *nobis*. Conch. Ill. f. 2.

10 anglica *nobis*. Conch. Ill. f. 5. Turbo politus. *Mont.* British.

11 subangulata *nobis*. Conch. Ill. f. 8. East Indies.

12 pusilla *nobis*. Conch. Ill. f. 6. St. Elena, Mr. Cuming.

13 articulata *nobis*. Conch. Illust. f. 12. Australia.

14 varians *nobis*. Conch. Ill. f. 14. Xipixapi, Mr. Cuming.

15 lineata *nobis*. Conch. Ill. f. 13. British? Turbo glaber Dacosta.

EULIMA.

Corrected list of figures in parts 52, 53, of

CONCHOLOGICAL ILLUSTRATIONS.

Fig. 1. E. major.

1.* ——— var.

1** ——— var.

2. E. labiosa.

3. E. subangulata.

4. E. imbricata.

5. E. anglica.

6. E. pusilla.

7. E. splendidula.

8. E. marmorata.

9. E. brunnea.

10. E. hastata.

11. E. interrupta.

12. E. articulata.

13. E. lineata.

14. E. varians.

15. E. brevis.

A CATALOGUE

OF ALL THE SPECIES HITHERTO KNOWN OF LEACH'S GENUS MARGARITA,

Represented in the 132*nd*, 133*rd*, *and* 134*th Parts of*

Conchological Illustrations,

BY

G. B. SOWERBY, Jun.

Spec. 1. Margarita tæniata, Conch. Ill. fig. 2.

2. ——— violacea, *King*, in Zool. Journal, vol. v. p. 346. Conch. Ill. f. 11.

——— violacea var. Conch. Ill. f. 12.

3. ——— expansa, *Sowerby*, in Malacol. and Conchol. Mag. p. 24. Conch. Ill. f. 16.

——— expansa var. Conch. Ill. f. 17.

4. ——— sigaretina, *Sowerby*, in Malacol. and Conchol. Mag. p. 24. Conch. Ill. f. 14.

5. ——— vulgaris, *Leach*, Conch. Ill. f. 13.

6. ——— carnea, (Turbo carneus *Lowe*) Conch. Ill. f. 9.

7. ——— striata, *Brod.* & *Sowerby*, in Zool. Journal, iv. Conch. Ill. f. 3. 18.

8. ——— arctica, *Leach*, Conch. Ill. f. 6.

9. ——— grænlandica, *Beck*. Conch. Ill. f. 10.

10. ——— umbilicalis, *Brod.* & *Sowerby*, Zool. Journal, iv. Conch. Ill. f. 5.

11. ——— sulcata, *Sowerby*, in Malacol. and Conchol. Mag. p. 26. Conch. Ill. f. 1.

12. ——— undulata, *Sowerby*, in Malacol. and Conchol. Mag. p. 26. Conch. Ill. f. 4.

13. ——— costellata, *Sowerby*, in Malacol. and Conchol. Mag. p 26. Conch. Ill. f. 15.

14. ——— acuminata, *Sowerby*, in Malacol. and Conchol. Mag. p. 26. Conch. Ill. f. 7.

15. ——— Solariiformis, *Sowerby*, in Malacol. and Conchol. Mag. p. 26. Conch Ill. f. 8.

A CATALOGUE

OF

RECENT SPECIES OF THE GENUS CANCELLARIA,

BY

G. B. SOWERBY.

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1 Canc. reticulata *Lam.* Enycl. meth t. 375 f. 3. Antigua.

2 Canc. candida *nobis*, Conch. Illustr. f. 1. Shell ovate oblong, with an acuminated apex, white; volutions seven, entirely covered with decussating ribs; aperture oblong, canal distinct, folds on the columella two, of which the upper is much the larger; edge of the outer lip sharp, inside with distant rib-like teeth; length 1·2, breadth 0.7, Polynesia, Mr. S. Stuchbury.

3 Canc. ovata *nobis*, Conch. Illustr. f. 2. Z. P. 1832 p. 53. Dredged in sand at from eight to ten fathoms at St. Elena, Western Columbia, Mr. Cuming.

4 Canc. obesa *nobis*, Conch. Illustr. f. 3 jun. f. 4. adult Z. P. 1832, p. 52. From Puerto Portrero and the Gulf of Dulce in central America: dredged at the latter place from a depth of 15 fathoms, Mr. Cuming.

5 Canc. acuminata *nobis*, Conch. Illustr. f. 5. Z. P. 1832 p. 53. Dredged in sandy mud at a depth of twelve fathoms at Guacomayo in central America, Mr. Cuming.

6 Canc. solida *nobis*, Conch. Illustr. f. 6. Z. P. 1832 p. 50. Found at Real Llejos and St. Elena, by dredging in a sandy bottom at from eight to ten fathoms, Mr. Cuming.

7 Canc. gemmulata, *nobis*, Conch. Illustr. f. 7. Z. P. 1832 p. 55. Dredged from a sandy muddy bottom in the Gulf of Nocoiyo, in central America, Mr. Cuming.

8 Canc. decussata *nobis*, Conch. Illustr. f. 8. Z. P. 1832, p 55. Found in sandy mud by dredging in 10 to 13 fathoms, at Panama and Puerto Portrero.

9 Canc. indentata, *nobis*, Conch. Illustr. f. 9. test. jun. f. 10. adult. Z P. 1832, p. 54. Panama.

10 Canc. buccinoides *nobis*, Conch. Illustr. f. 11. Z. P. 1832, p. 54. Found in sandy mud from 7 to 15 fathoms at Real Llejos, Iquiqui, Callao and Puerto Portrero, by Mr. Cuming.

11 Canc. clavatula *nobis*, Conch. Illustr. f. 12. Z. P. 1832, p. 52. Found in sandy mud, in 7 fathoms at Panama and at Payta, Mr. Cuming.

12 Canc. uniplicata *nobis*, Conch. Illustr. f. 13. Z. P. 1832. Two specimens were dredged in sand at a depth of ten fathoms, near Panama, by Mr. Cuming.

13 Canc. mitriformis *nobis*, Conch. Illustr. f. 14. Z. P. 1832 p. 51. Sandy mud at Panama. Mr. Cuming.

14 Canc. Tritonis *nobis*, Conch. Illustr. f. 15. Shell oblong, light brown, varied with darker; with an accuminated spire; volutions six, rather ventricose, longitudinally ribbed and spirally striated, with a slightly nodular-keel near the upper or posterior part, above which it is blotched with dark brown; aperture large and wide; outer lip grooved within; columella rugulose near the anterior part; with three small plaits, of which the middle one is smallest, length 2·3, breadth 1·3. Locality unknown.

15 Canc. granosa *nobis*, Conch. Illustr. f. 16, 17. Shell oblong, reddish brown, with an acuminated spire half the length of the shell; volutions six, flattened on the upper part, longitudinally ribbed, and transversely grooved, ribs granose, more strongly so above: aperture wide, outer lip grooved within; columella slightly rugulose in front, with three plaits, the two lower

smaller: canal distinct: length 1·7, breadth 1·0. Locality unknown.

16 Canc. piscatoria *nobis*, Canc. nodulosa Lam. Bucc. piscatorium. Chemnitz iv. f. 1151, 1152.

17 Canc. Littoriniformis *nobis*, Conch. Illustr. f. 18. Shell subglobose, chesnut brown, rough; spire acuminated; volutions five, rounded with close-set cross striæ; aperture nearly oval, outer lip grooved within, canal very short and indistinct; plaits on the columella three, small; umbilicus rather large, with a rounded edge: length 0·75, breadth 0·5. From Ceylon.

18 Canc. elegans *nobis*, Genera of Shells, No. v. fig. 3.

19 Canc. asperella *Lam.* Encycl. meth. t. 374 f. 3.

20 Canc. oblonga *nobis*, Tank. Catal. app. p. xv. Conch. Illustr. f. 19.

21 Canc. tessellata *nobis*, Conch. Illustr. f. 20 jun. f. 20* adult. Z. P. 1832 p. 51. Dredged in sandy mud at a depth of from 7 to 10 fathoms in the Bay of Caraccas, at St. Elena and at Xipixapi. Mr. Cuming.

22 Canc. nodulifera *nobis*, Tank. Cat. app. p. xv. No. 1544. Conch. Illustr. f. 21.

23 Canc. Cassidiformus *nobis*, Conch. Illustr. f. 22. Z. P. 1832 p 53. Young shells of this species were dredged in sandy mud in 16 fathoms water, at Panama, by Mr. Cuming.

24 Canc. australis *nobis*, Conch. Illustr. f. 23. Shell ovato-oblong, decussated, white; spire rather acuminated, obtuse at the apex; volutions five, rounded with a deep suture, and covered with decussating ribs; aperture oval, outer lip grooved within; columellar lip slightly rugulose, with 3 plaits; canal distinct; length 0·8, breadth 0·5. New South Wales; the late G. Humphrey's Collection.

25 Canc. lævigata *nobis*, Conch. Illustr. f. 24. Shell ovato-oblong. smooth, white; spire rather acuminated, obtuse

at its apex; volutions five, rounded, somewhat flattened at the upper part and with a deep suture; aperture oval, outer lip deeply grooved within; columellar lip slightly rugulose in front, with 3 plaits; canal distinct; length 0·9, breadth 0·55. New South Wales, the late G. Humphrey.

26 Canc. spirata *Lam.* Conch. Illustr. f. 25. I have received several specimens of this species from Garden Island. Mr. Gray has informed me that the specimens under this name in Lamarcks own collection are not Cancellariæ; the description given in his Hist. nat. des anim. sans vertebres, accords, however, so perfectly with my shells, that I cannot hesitate to regard them as Lamarck's species.

27 Canc. obliquata *Lam.* Conch. Illustr. f. 26. Haynam.

28 Canc. scalata *nobis*, Conch. Illustr. f. 27. Shell oblong, reddish brown, spire acuminated; volutions six, with a bluntly angular-edged and broad groove next to the suture, the margin of which groove is crenulated; the volutions covered with longitudinal, somewhat nodulose ribs, the interstices of which have a few cross-striæ; aperture white, oval, truncated and with an internal tubercle at the upper part, outer lip grooved within; columella with four small plaits, rugulose, umbilicus small, narrow; length 1·2, breadth 0·7. East Indies.

29 Canc. contabulata *nobis*. Conch. Illustr. f. 28. Shell oval, pale brown, nodulose-ribbed; spire rather short; volutions five, ventricose, their upper part next the suture flat, with a bluntly angular edge; nodulose longitudinal ribs continued obliquely over the flat space to the suture; aperture large, white, oval, truncated at its upper part; outer lip grooved within; columella with four small plaits, of which the upper one is very small; umbilicus small: length 1·2, breadth 0·8. Ceylon.

30 Canc. crenifera *nobis*, Conch. Illustr. f. 29. Shell ovate; pinkish brown, shining; volutions 5 to 6, rounded with longitudinal crenulated ribs, the upper ends of which form a strongly crenated edge to the canaliculated suture; aperture oval, white; outer lip thickened, reflected, grooved within, columella with three plaits; canal indistinct; umbilicus small but distinct and rough at its edge: length 0·9, breadth 0·5. From Ceylon.

31 Canc. scalarina. *Lam.* Chemn. iv. f. 1172, 1173.

32 Canc. crispa *nobis*, Conch. Illustr. f. 30. Shell oval, brownish with lighter bands, rough; spire acuminated; volutions 5 to 6, rather ventricose, with longitudinal ribs, which are dentated on their edges and raised above the edge of the canaliculated suture, aperture ovate, truncated at the upper part and forming a small canal anteriorly; outer lip grooved within; plaits on the columella three; umbilicus small: length 1·0, breadth 0·6. Locality unknown.

33 Canc. costifera, *nobis*, Conch. Illustr. f. 31. Shell oval, light brown, spire acuminated, volutions six, angular at the upper edge, flat next to the suture, with distant longitudinal ribs, which are pointed at the upper part, and then continuous in oblique direction across the flat upper edge of the volutions: interstices slightly cross-striated: aperture oval, truncated at the upper part, outer lip grooved wihin; columella with three plaits, umbilicus very small: length 0·8, breadth, 0·45.

34 Canc. articularis *nobis*, Conch. Illustr. f. 32. Shell oblong, subturrited, orange brown; spire acuminated; volutions six, canaliculated at the suture, obliquely longitudinally ribbed, ribs prominent at the edge of the channelled suture and crenated on their edges; aperture wide, oval, truncated at the upper part; outer lip reflected, finely grooved within; columella with three small plaits; umbilicus small; length 0·9, breadth 0·5. Ceylon.

35 Canc. brevis *nobis*, Conch. Illustr. 33. Z. P. 1832 p. 52. Found at Puerto Portrero and St. Elena; Mr. Cuming.

36 Canc. pusilla *nobis*, Conch Illustr. f. 34. Shell subglobose, ventricose, pale; volutions four, with a broad flat area at the upper part, which is crenated at both edges; longitudinally ribbed and cross-straited; aperture trigonal, plaits on the columella two; umbilicus none: length 0·5, breadth 0·4, a single specimen was taken out of the umbilicus of a Cassis Rufa from New South Wales.

37 Canc. bullata *nobis*, Conch. Illustr. f. 35. Z. P. 1832 p. 51. Dredged in mud at a depth of twelve fathoms, at Payta, and in the Gulf of Nocoiyo. Mr. Cuming.

38 Canc. tuberculosa *nobis*, Conch. Illustr. f. 36. Z. P. 1832 p. 51. Dredged in sandy mud, at a depth of seven fathoms, at Iquiqui. Mr. Cuming.

39 Canc. pulchra *nobis*, Conch. Illustr. f. 37 Z. P. 1832 p. 50. Dredged from a sandy bottom in from eight to ten fathoms, at St. Elena. Mr. Cuming.

40 Canc. cancellata *Lam.* Encyl. Method. 375. f. 4.

41 Canc. similis *nobis*, Conch. Illustr. f. 38. Shell ovate, rather compressed, varicose; spire somewhat acuminated, volutions six to seven, gradually increasing, whitish with irregular brown bands, longitudinally obliquely ribbed, ribs distant, crossed by strongly marked elevated lines; aperture white, ringent, outer lip varicose outside, crenated at its border, deeply grooved and strongly toothed a little way within the edge, columella with three plaits, of which the lowest is the smallest and double; canal reflected, umbilicus very small with a broad and distinct border; length 1.2, breadth 0·9.

42 Canc. chrysostoma *nobis*, Conch. Illustr. f. 39. Z. P. 1832, p. 54. Found in sand at from eight to ten fathoms, at Panama and St. Elena. Mr. Cuming.

43 Canc. rugosa *Lam.* Encycl. meth. t. 375 f. 8. China.

44 Canc. hæmastoma *nobis*, Conch. Illustr. f. 40. Z. P. 1832, p. 54. Found in sand at from 10 to 16 fathoms, near the Galapagos Islands. Mr. Cuming.

45 Canc. rigida *nobis*, Conch. Illustr. f. 41. Z. P. 1832, p. 53. Dredged in sand at 13 fathoms deep at Puerto Portrero. Mr. Cuming.

46 Canc. costata *Gray*, Conch. Illustr. f. 42. Shell oblong, fulvous varied and banded with dark brown, longitudinally ribbed, and transversely striated; spire acuminated, volutions six, with a flat, sharp-edged space at the upper or posterior part; ribs distant, sharp-edged anteriorily, continuing obliquely over the flat space to the suture; aperture subtrigonal, outer lip slightly grooved within; columella with two distinct and one very small plait, lip a little rugose; umbilicus rather large; length 0·95, breadth 0·7.

47 Canc. goniostoma *nobis*, Conch. Illustr. f. 43. Chemn. iv. Vign. 37 f. a. b. c. Z. P. 1832, p. 51. A single specimen was brought up from a sandy bottom in eight fathoms water at Conchagua by Mr. Cuming.

48 Canc. trigonostoma *nobis*, Conch. Illustr. f. 44. Delphinula trigonostoma *Lam.* vi. pt. II. p. 231. Shell pyramidal, acuminated, white or pale brown; volutions five, flat and spirally striated on the upper part; the edge of which is strongly keeled and crenated; slightly longitudinally ribbed and spirally striated on the lower part; aperture triangular, with a distinct varicose edge, and three small plaits on the columella; umbilicus very large, crenated at the edge; length 0·9, breadth 0·75. Ceylon.

Obs. It is remarkable that in this shell, which is the *Bordstrappe* of the Dutch Conchologists, the inner edges of the volutions are set against the edge of the umbilicus.

CANCELLARIÆ.

Corrected List of Figures, in parts 9 *to* 13.

Fig. 1. C. candida.
2. C. ovata.
3 & 4. C. obesa.
5. C. acuminata.
6. C. solida.
7. C. gemmulata.
8. C. decussata.
9. C. indentata, jun.
10. C. indentata.
11. C. buccinoides.
12. C. clavatula.
13. C. uniplicata.
14. C. mitriformis.
15. C. Tritonis.
16, 17. C. granosa.
18. C. Littoriniformis.
19. C. oblonga.
20, 20.* tessellata.
21. C. nodulifera.
22. C. cassidiformis.
23. C. Australis.
Fig. 24. C. lævigata.
25. C. spirata.
26. C. obliquata.
27. C. scalata.
28. C. contabulata.
29. C. crenifera.
30. C. crispa.
31. C. costifera.
32. C. articularis.
33. C. brevis.
34. C. pusilla.
35. C. bullata.
36. C. tuberculosa.
37. C. pulchra.
38. C. similis.
39. C. chrysostoma.
40. C. hæmastoma.
41. C. rigida.
42. C. costata.
43. C. goniostoma.
44. C. trigonostoma.

Obs. Lamarck's C. senticosa, C. citharella, and C. Ziervogliana do not belong to this genus; the first is a Phos, the 2nd. an Oniscia, and the last a Mitra. His C. scalariformis is unknown to the author.

MUREX.

A CATALOGUE OF RECENT SPECIES,

BY

G. B. SOWERBY, Jun.

Sp.

1. M. tenuispina, *Lam.* vii. p. 158. Ch. Conch. t. 189. f. 1821. t. 190. f. 1822. Moluccas. *Gray* says that the M. tenuirostrum of Lam. is a specimen of this, without spines. Philippines.
2. M. ternispina *Lam.* vii. p. 158. Con. Illus. f. 110 *Var.* M. aduncospinosus, *Beck.* Con. Illus. f. 68. E. Indies.
3. M. crassispina, *Lam.* vii. p. 157. Martini. t. 113. f. 1052. Philippines. In this species the 2nd spine is longest.
4. M. rarispina, *Lam.* 7. p. 158, M. unidentatus, Con. Illus. f. 52, E. Indies.
5. M. Scolopax, Dillwyn, Descr. Cat. p. 681. Ch. Conch. f. 1819—20. Red Sea. Smoother than the last, with yellowish brown lines across.
6. M. Occa *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 45. Nicobar Isl.
7. M. brevispina, *Lam.* vii. p. 159. Con. Illus. f. 10.
8. M. chrysostoma, *Gray?* Con. Illus. f. 1.
9. M. Messorius. *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 93.
10. M. Haustellum, *Lim. Gmel.* p. 3524. *Martini.* Conch. t. 115. f. 1066. Moluccas. Philippines.
11. M. rectirostrum, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 111.
12. M. nigrescens, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 113. Xipixapi. Columbia. Mr. Cuming.
13. M. recurvirostrum, *Brod.* Zool. Proc. 1832. p. 174. Con. Illus. f. 9. Gulf of Nocoyo. Central Amer. Mr. Cuming.
14. M. pliciferus. *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 101.

Sp.

15. M. plicatus, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 6. Gulf of Nocoyo. Mr. Cuming.
16. M. formosus, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 112. Persian Gulf.
17. M. Mindinaoensis. *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 92. Misamis, Mindinao, Philippines. Mr. Cuming.
18. M. Motacilla, *Linn. Gmel.* p. 3530. Chemn. Conch. t. 163. f. 1563. Indian Ocean. *Var.* Con. Illus. f. 69.
19. M. elegans, *Beck. Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 84.
20. M. similis, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 70.
21. M. inflatus, *Lam.* vii. p. 160. Martini. t. 102. f. 980. t. 103. f. 981. E. Indies. Has a triangular tooth on the outer lip.
22. M. elongatus. *Lam.* vii. p. 161. Con. Illus. f. 88. *Var.* Con. Illus. f. 89. E. Indies. Has the tooth as in M. inflatus.
23. M. anguliferus, *Lam.* vii. p. 171. Martini. t. 110. f. 1029—1030. M. inflatus, *Var.* Con. Illus. f. 53. M. Ferrugo, *Wood.* Index, Test. *costatus? Gmel.* Not including the "Sirat" of Adanson. Atlantic Ocean.
24. M. Senegalensis, *Gmel*, "Sirat" *Adanson.* M. Brasiliensis, Con. Illus. f. 55, white variety, Con. Illus. f. 61. Senegal.
25. M. Calcitrapa, *Lam.* vii. p. 161. Martini. t. 103. f. 982 M. brevifrons. *Lam.* vii. 160. Martini, t. 103. f. 983. t. 104, f. 984—6. America. Subject to great variations, but distinguished from M. inflatus by the absence of the tooth. Red Sea, Indian Ocean.
26. M. Monodon. *Sow.* Tank. Cat. Martini, iii. t. 105, f. 987-8. Swan River.
27 M. Pomum, Gmel. p. 3327. M. asperrimus, *Lam.* vii. p. 164. Martini; t. 109. f. 1021-1023. West Indies.
28. M. scabrosus, *Sow. Jun.* Zool Proc. 1840. Con. Illus. f. 73.
29. M. Cervicornis, *Lam.* vii. p. 163, *Sow. Gen.* Murex. f. 2. New Holland.

Sp.

30. M. axicornis, *Lam.* vii. p. 163. Martini Conch. t. 105. f. 989. var. black, Con. Illus. f. 66. Moluccas. Philippines.
31. M. Banksii, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 82.
32. M. aculeatus, *Lam.* Con. Illus. f. 63. Moluccas.
33. M. Palma-rosæ, *Lam.* vii. p. 161. Lister, Conch. t. 946. f. 41. Ceylon.
34. M. Saulii, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 77. A dwarf variety is brought from Ticao by Mr. Cuming.
35. M. torrefactus, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. 120; *Var.* 121. Ticao, Philippines. Mr. Cuming.
36. M. adustus, *Lam.* vii. p. 162. Martini. t. 105, f. 990 991. Singapore and Philippines.
37. M. rubescens, *Brod.* Zool. Proc. 1832. p. 174. Con. Illus. f. 7 Tahiti. Mr. Cuming.
38. M. microphyllus, *Lam.* vii. p. 163. E. M. pl. 415. f. 5. Con. Illus. f. 105.
39. M. Maurus, *Brod.* Zool. Proc. 1832. p. 174. Con. Illus. f. 12. *Var.* f. 67. Isl. Annaa, Pacific Ocean.
40. M. Capucinus, *Lam.* vii. p. 164. Chem. Conch. t. 192. f. 1849. 1850. Nicobar Isl. E. Indies. Singapore.
41. M. castaneus, Con. Illus. f. 44. Mr. Norris's collection.
42. M. rufus, *Lam.* vii. p. 162. White variety, f. 99. Indian Seas.
43. M. palmiferus, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 104. Red Sea.
44. M. corrugatus, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 72.
45. M. laqueatus, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 78.
46. M. triqueter, *Born.* p. 291. t. 11. f. 1-2. Martini, t. 111. f. 1038. Philippines.
47. M. laciniatus. *Nob.* Zool. Proc. 1841. Con. Illus. f. 59.
48. M. trigonulus, *Lam.* vii. p. 167. Con. Illus. f. 102. Persian Gulph.
49. M. pinniger. *Brod.* Zool. Proc. 1832. p. 174. Con. Illus. f. 50 and 109. (M. cristatus) Xipixapi. Mr. Cuming.
50. M. cancellatus, *Sow. Jun.* Zool Proc. 1840. Con. Illus. f. 79.

Sp.

51. M. canaliferus, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 74.

52. M. Mitriformis, *Sow. Jun.* Zool Proc. 1841. Con. Illus. f. 75.

53. M. Capensis, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 76. Cape of Good Hope.

54. M. pinnatus, *Swainson*, Bligh. Cat. Appendix p. 17. Zool. Illus. 2nd Ser: pl. 122. China.

55. M. tripterus, *Born*, p. 291. t. 10. f. 18-19. Wood, Index. Test. M. Trialatus, Con. Illus. f. 54. 54* (Not M. Trialatus, C. I. f. 33.) Gmelin was mistaken in referring this sp. to the fossil which bears the name. Ticao, Philippines.

56. M. trigonularis, *Lam.* vii. p. 165. Con. Illus. f. 107. Our shell agrees so well with Lamarck's description, that we venture to apply the name to it, not withstanding Mr. Gray's statement, that the M. trigonularis of *Lam.* is nothing but Acanthopterus deprived of its fringes. Mr. Gray cannot have studied the subject, for he has mixed up the latter species with the "M. Purpura alata" of *Chemnitz.* (M. foliatus of *Gmelin*,) Bantayan, Philippines. Mr. Cuming.

57. M. uncinarius, *Lam.* vii. p. 166. Martini iii. f. 1034-5. Con. Illus. f. 106. Isl. Masbate, Philippines. Mr. Cuming.

58. M. trialatus, *Sow. Jun.* Zool Proc. 1841. Con. Illus. f. 33. (Not trialatus, f.54. 54.*)

59. M, acanthopterus, *Lam.* vii. f. 165. E. M. pl. 417. f. 2. a. b. Con. Illus. f. 85. Brown variety, young (alatus,) Con. Illus. f. 51. A very large shell from Isl. Mindinao exists in Mr. Cuming's cabinet, which may probably be referable to this species, Con. Illus. f. 115.

60. M. foliatus Gmel. p. 3529. M. Tripterus. *Lam.* vii. p. 165. "M. Purpura alata" Chem. 10. t. 161. f. 1538-9 N.W. Co. of America.

Sp.

61. M. emarginatus, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. 98, 100. Mr. Cuming.

62. M. monoceros, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 64, 65. and 97, Mus. Norris. Stainforth. Cuming.

63. M. erinaceus, *Lam.* vii. p. 172. Martini. t. 110. f. 1026-8. M. decussatus, Gmel. Britain. Mediterranean.

64. M. Tarentinus, *Lam.* vii. p. 173. M. erinaceus, var. Con. Illus. f. 24. Sicily, Portugal. We are still doubtful about this being distinct from M. erinaceus.

65. M. torosus, *Lam.* vii. p. 174. Con. Illus. f. 39. Perhaps a variety of the last. Sicily ?

66. M. Edwardsii, *Menke.* Syn. p. 66. *Philippi. Enum.* Mollusc. Siciliæ. p. 210. Purpura Lassaignii, *Basterot.* Con. Illus. f. 80. *var ?* Sicily. Placed here because it has not three regular varices.

67. M. inconspicuus, *Sow. Jun.* Zool. Proc. 1841. Con. Illus. f. 81. *Var.* 117. Jersey.

68. M. fasciatus, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 86, (M. fasciatus, Risso ?) R. Gambia.

69. M. varius, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 57. 108. A variety occurs with more than 3 varices. R. Gambia.

70. M. cornutus. *Gmel.* p. 3525. Martini. Conch. t. 114, f. 1057. Moluccas.

71. M. tumulosus, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 71.

72. M. Brandaris. *Gmel.* p. 3526. Chemn. t. 164. f. 1571. Mediterranean and Adriatic.

73. M. Rota, —— ? Con. Illus. f. 119. Isle of Capul, Philippines.

74. M. Scorpio. *Lam.* vii. 169. Martini, t. 106. f. 998-1003. E. Indies. Moluccas, Philippines.

75. M. secundus, *Lam.* vii. p. 169. Con. Illus. f. 116. Isl. Masbate, Philippines.

76. M. varicosus, *Sow. Jun.* Zool Proc. 1840. Con. Illus. f. 49.

No.

77. M. digitatus, *Sow. Jun.* Zool Proc. 1840. Con. Illus. f. 114. Red Sea.

78. M. fenestratus, *Lam.* vii. p. 174. Chemn. 161. f. 1536-1537. Con. Illus. f. 41. Isl. Capul. Philippines.

79. M. Jatonus, *Adanson.* Senegal. 1. t. 9. f. 21. M. "Lingua vervecina," Chem. t. 161. f. 1540. 1. M. Lingua, *Dillwyn*, Wood's Index. M. Gibbosus, *Lam.* vii. p. 166. In a young state, M. hemitripterus, *Lam.* vii. p. 166. E. M. 418. f. 4. a. b. Con. Illus. f. 60. Senegal.

80. M. Oxyacantha, *Brod.* Zool. Proc. 1832. p. 176. Con. Illus. f. 11. Real Llejos, Central America. Mr. Cuming.

81. M. humilis, Brod. Zool. Proc. 1832. p. 175 Con. Illus. f. 46. 47. St. Elena. Mr. Cuming.

82. M. melanomathos, *Lam.* vii. p. 168. Martini. 108. p. 1015. E. M. 418. 2, a. b. E. Indies.

83. M. Princeps, *Brod.* Zool. Proc. 1832. p. 175. Con. Illus. f. 43. Puerto Portrero, Central America.

84. M. nitidus, *Brod.* Zool. Proc. 1832. p. 175. Con. Illus. f. 4. Real Llejos, Central America. Probably a variety of the last in a young state.

85. M. Radix. *Gmel.* Swains. Zool. Illus, "Muricinæ." Columbia, Bay of Caraccas.

86. M. saxatilis, Gmel. p. 3529. Martini 108. f. 1013. 1014. Chemn. t. 161. f. 1528-9. M. eurystomus, Sw. Gambia.

87. M. Rosarium. *Chemn.* t. 161. f. 1528-9. Con. Illus. f. 118. M. Melonulus, *Lam.* vii. p. 171. E. Indies.

88. M. Brassica, *Lam.* vii, p. 167. M. Ducalis, *Brod.* Zool. Journ. iv. p. 377. Con. Illus. f. 56. Mazatlan, Pacific. The description by Lamarck agrees perfectly well with our shell, besides which we have the direct testimony of Mr. Gray, who has seen Lamarck's shell, as to its identity.

89. M. Regius, *Swainson*, Exotic Conch. part 2. Wood's Supplement, Murex, No. 13. Panama.

Sp.

90. M. Imperialis, *Swainson* Zool. Illus. "Muricinæ" M. Pomum. *Var.* Gmel. p. 3327. Chemn. t. 110, f. 1024-5. California.

91. M. erythrostoma, *Swains.* Zool. Illus. "Muricinæ" *Var.* Con. Illus. f. 38. Acapulco.

92. M. Endivia, *Lam.* vii. p. 168. *Martini.* t. 107. f. 1008, M. Saxatilis, *Wood.* Index. M. chicoreum, Gmel? Philippines.

93, M. Saxicola, *Brod.* Zool. Journ. Vol. 2. p. 202. Tab. suppl. xi. f. 3. More angulated than M. Endivia. Isl. Ticao. Mr. Cuming.

94. M. turbinatus, *Lam.* vii. p. 170. Con. Illus. (M. fulvescens) f. 30. *Var.* Con. Illus. f. 90, 91.

95 M. Trunculus, *Lam.* vii. p. 170. Martini, Conch. t. 109. f. 1018, 1020. Mediterranean and Atlantic.

96. M. angularis, *Lam.* vii. p. 174. M. costatus E. M. 441. f. 3. a b. "Cofar" Adanson. Senegal, 9. f. 22. M. Octonus, Con. Illus. f. 32. Senegal.

97. M. Megacerus, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 18. S. Seas.

98. M. Lappa, *Brod.* Zool. Proc. 1832. p. 177. Con. Illus. f. 15. St. Elena. Mr. Cuming.

99. M. Zelandicus, *Quoy* et *Gaimard*, Voy. de. l'Astr. t. 2. p. 529. Pl. 36. f. 5-7. M. Nova Zelandiæ, Con. Illus. f. 34. N. Zealand.

100. M. aduncus, *Con. Illus.* f. 35 In Mr. Norris's Cabinet.

101. M. falcatus *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 31. Japan.

102 M. hexagonus, *Lam.* vii. p. 169. E. M. pl. 418. f. 3. a. b.

103. M. inermis, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 87. Japan.

104. M. erosus, *Brod.* Zool. Proc. 1840. Con. Illus. f. 16. var. f. 96. Panama, H. Cuming.

105. M. balteatus, *Beck. Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 83. Masbate, Philippines. H. Cuming.

106. M. exiguus, *Brod.* Zool. Proc. 1832. p. 175. Con. Illus. f. 17. Salango. Columbia. Mr. Cuming.

Sp.

107. M. Cyclostoma, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 95. Bohol. Philippines. Mr. Cuming.

108. M. lugubris, *Brod. Zool.* Proc. 1832. p. 175. Con. Illus. f 26. Puerto Portrero, Central America. Mr. Cuming.

109. M. incisus, *Brod.* Zool. Proc. 1832. p. 176. Con. Illus. f. 13. St. Elena. Mr. Cuming.

110. M. breviculus, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 37.

111. M. tetragonus, *Brod.* Zool. Proc. 1832. p. 174. Con. Illus. f. 25, 36.

112. M. Peruvianus, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 103. Pacosmayo, Peru.

113. M. Dipsacus, *Brod.* Zool Proc. 1832. p. 194. Con. Illus. f. 20. (M. Octonus, *Gray.* N. Zealand.) St. Elena.

114. M. crispus, *Brod.* Zool. Proc. 1832. p. 176. Con. Illus. f. 8. M. tortuosus. Pacosmayo, Peru.

The following are admitted among the Murices with considerable hesitation.

115. M. miliaris, Gmel. p. 3536. No. 39. M. vitulinus, *Lam.* vii. p. 174. E. M. pl. 419. f. 1. a. b. 7. a. b.

116. M. salebrosus, *King.* Zool. Journ. v. p. 347. Con. Illus. f. 5. var. f. 48. Southern Coast of S. America.

117. M. Fiscellum, *Chemn.* 10. t. 160. f. 1524. 5. M. Funiculum, Wood's Index. test. M. fimbriatus, *Lam.* Iostoma, Con. Illus. f. 42. M. Australis, *Quoy* et *Gaimard* Voy. de l'Astr. 2. p. 534. pl. 36. f. 13-16. Named M. ricinuloides on the plate. *Var.* Con. Illus. f. 62. Pulo Condore.

118. M. margariticola, *Brod.* Zool. Proc. 1832. p. 177. Con. Illus. f. 21. Lord Hood's Isl. Pacific. Mr. Cuming.

119. M. dubius, *Nob.* M. aculeatus, *Wood.* (pre-occupied) Index. test. Con. Illus. f. 23. Panama. Mr. Cuming.

120. M. noduliferus *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 94. Masbate, Philippines. Mr. Cuming.

121. M. cristatus, *Brocchi*. p. 394. t. vii.. f. 15. Cancellaria cristata, Brown. Reise p. 550. Murex Blainvillii, Payradeau, p. 149. t. 7. f. 17, 18. M. pliciferus, Bivon, 1. c. p. 26. t. 3. f. 10. *Var.* "costatus, nodulis inermibus." Philippi, v. t. xi. f. 25. M. fortis, Risso. *Var.* M. cataphractus, Con. Illus. f. 10 The recent varieties correspond with those in a fossil state, and there is an indivisible chain running from those which are frondose and almost spinose, to those which are characterized by plain simple nodules. Mediterranean.

122. M. vittatus, *Brod.* Zool, Proc. 1832. p. 176. Con. Illus. f. 19. Isl. Muerte, Bay of Guayaquil. Mr. Cuming.

The following Murices of Authors belong to other Genera, viz:—

Fusi, M.magellanicus, lamellosus, scaber, lyratus, and cingulatus, of *Lamarck*. M. Horridus, buxeus, Carduus squamosus, Nucleus, cariniferus, and pallidus, of *Broderip*. M. distinctus, *Philippi?*

Purpuræ. M. costularis, *Lam.* M. crispatus, *Lam.* M. crassilabrum, *Gray*.

Typhis, M. fistulosus, Brocchi. Philippi.

Polliæ, M. concatenatus, granarius and pulchellus, of *Lamarck*; M. Vibex, *Broderip*.

The following cannot be identified.

Lamarck; M. aciculatus, phyllopterus, quadrifrons, polygonulus, cinguliferus and subcarinatus. *King*; M. Rhodocheilus, Z. J. v. p. 347. *Broderip*; M. pumilus Z. P. 1832. p. 175. *Conrad*; M. Nuttali. *Risso*; M. fistulatus, ramulosus, bicristatus, Orbignianus, rudis, bicolor, affinis, angulatus, Pairaudoce, triangularis, imbricatus, postdiluvianus, succinctus, columnus. The latter are very vaguely described and neither figures nor synonyms referred to.

MURICES.

Index to the Figures in Parts 58 to 67, and 187 to 199.

(The Figures after the name refers to the Catalogue.)

FIG.

1 M. chrysostoma, Sp. 8.
2 *Fusus nucleus.*
3 *Fusus pallidus.*
4 M. nitidus, Sp. 84.
5 M. salebrosus, var. Sp. 116.
6 M. plicatus, Sp. 15.
7 M. rubescens, Sp. 37.
8 M. crispus, Sp. 114.
9 M. recurvirostrum, Sp. 13.
10 M. brevispina, Sp. 7.
11 M. Oxyacantha, Sp. 80.
12 M. Maurus, Sp. 39.
13 M. inscisus, Sp. 109.
14 *Purpura, crassilabrum.*
15 M. Lappa, Sp. 98.
16 M. erosus, Sp. 104.
17 M. exiguus, Sp. 106.
18 M. megacerus, Sp. 97.
19 M. vittatus, Sp. 122.
20 M. dipsacus, Sp. 113.
21 M. margariticola, Sp. 118.
22 *Fusus carduus.*
23 M. dubius, Sp. 119.
24 M. Tarentinus, Sp. 64.
25 M. tetragonus, Sp. 111.
26 M. lugubris, Sp. 108.
27 *Fusus squamosus.*
28 *Pollia buxea.*
29 *Fusus horridus.*
30 M. turbinatus, Sp. 94.
31 M. falcatus, Sp. 101.
32 M. angularis, Sp. 96.
33 M. trialatus, Sp. 58.

FIG.

34 M. Zelandicus, Sp. 99.
35 M. aduncus, Sp. 100.
36 M. tetragonus, Sp. 111.
37 M. breviculus, Sp. 110.
38 M. erythrostoma, var. Sp. 91.
39 M. torosus, Sp. 65.
40 M. cristatus, Sp. 121.
41 M. fenestratus, Sp. 78.
42 M. Fiscellum, Sp. 117.
43 M. Princeps, Sp. 83.
44 M. castaneus, Sp. 41.
45 M. Occa, Sp. 6.
46, 47 } M. humilis, Sp. 81.
48 M. salebrosus, Sp. 116.
49 M. varicosus, Sp. 76.
50 M. pinniger, Sp. 49.
51 M. acanthopterus, var. Sp. 59.
52 M. rarispina, Sp. 4.
53 M. anguliferus, Sp. 23.
54 M. tripterus, Sp. 55.
55 M. Senegalensis, Sp. 24.
56 M. Brassica, Sp. 88.
57 M. varius, Sp. 69.
58 *Fusus cariniferus.*
59 M. laciniatus, Sp. 47.
60 M. Jatonus, young, Sp. 79.
61 M. Senegalensis, var. Sp. 24.
62 M. Fiscellum, var. Sp. 117.
63 M. aculeatus, Sp. 32
64 M. Monoceros, Sp. 62.
65 front view of the same.
66 M. axicornis var. Sp. 30.

FIG.

67 M. Maurus, var. Sp. 39.
68 M. ternispina, var. Sp. 2.
69 M. Motacilla, var. Sp. 18.
70 M. similis, Sp. 20.
71 M. tumulosus, Sp. 71.
72 M. corrugatus, Sp. 44.
73 M. scabrosus, Sp. 28.
74 M. canaliferus, Sp. 51.
75 M. mitriformis, Sp. 52.
76 M. Capensis, Sp. 53.
77 M. Saulii, Sp. 34.
78 M. laqueatus, Sp 45.
79 M. cancellatus, Sp. 50.
80 M. Edwardsii, Sp. 66.
81 M. inconspicuus, Sp. 67.
82 M. Banksii, Sp. 31.
83 M. Balteatus, Sp. 105.
84 M elegans, Sp. 19.
85 M. acanthopterus, Sp. 59.
86 M. fasciatus, Sp. 68.
87 M. inermis, Sp. 103.
88 M. elongatus, var. Sp. 22.
89 M. elongatus, var. Sp. 22.
90 M. turbinatus, Sp. 94.
91 variety of the same.
92 M. Mindinaoensis, Sp. 17.
93 M. Messorius, Sp. 9.
94 M noduliferus, Sp. 120.

FIG.

95 M. Cyclostoma, Sp. 107.
96 M. crosus, var. Sp. 104.
97 M. Monoceros, Sp. 62.
98 M. emarginatus. Sp. 61.
99 M. rufus, var. Sp. 42.
100 M. emarginatus, Sp. 61.
101 M. pliciferus, Sp. 14.
102 M. trigonulus, Sp. 48.
103 M. Peruvianus, Sp. 112.
104 M. palmiferus, Sp. 43.
105 M. microphyllus, Sp. 38.
106 M. uncinarius, Sp. 57.
107 M. trigonularis, Sp. 56.
108 M. varius, var. Sp. 69.
109 M. pinniger, Sp. 49.
110 M. ternispina, Sp. 2.
111 M. rectirostrum, Sp. 11.
112 M. formosus Sp. 16.
113 M. nigrescens, Sp. 12.
114 M. digitatus, Sp. 77.
115 M. acanthopterus? Sp. 59.
116 M. secundus, Sp. 75.
117 M. inconspicuus, Sp. 67.
118 M. Rosarium, Sp. 87.
119 M. Rota, Sp. 73.
120 M. torrefactus, Sp. 35.
121 M. torrefactus, var. Sp. 35.

GENUS TYPHIS

MONTF.

A CATALOGUE

Of all the Species hitherto known; as described by BRODERIP, *in the Zoological Proceedings*, 1832;

And figured in Part 200 of the

Conchological Illustrations,

By G. B. SOWERBY, JUN.

1 T. Cumingii, *Brod.* Bay of Caraccas, Columbia, Mr. Cuming.

2 T. coronatus, *Brod.* Salango, Columbia, Mr. Cuming.

3 T. Belcheri, *Brod.* Cape Blanco. Zool. Museum.

4 T. Sowerbii, *Brod.* Mediterranean. Philippi considers this as identical with the fossil T. fistulosus, *Brocchi.*

5 T. pinnatus, *Brod.*

TYPHIS.

List of Figures, Part 200.

1, 2 T. Cumingii.

3, 4 T. coronatus.

5, 6 T. Belcheri.

7, 8 T. Sowerbii.

9 T. Sowerbii, *var.*

10, 11 T. pinnatus.

RENELLA.

Index to the Figures in parts 84, 85, 88, 89, 92, *and* 93, *of the*

CONCHOLOGICAL ILLUSTRATIONS,

BY

G. B. SOWERBY, Jun

Fig.

1, 1*. R. pusilla, *Brod.* Z. P. 1832, Pacific Ocean.

2. R. pyramidalis, *Brod.* Z. P. 1832. Panama.

3. R. vexillum, *Sow. Jun.* Z. P. 1841. Chiloe and Conception. The brown beaded bands are smaller and more numerous, and the outer lip more effuse than in R. argus.

4. R. nitida *Brod.* Z. P. 1832. Columbia.

5, 5.* R. cruentata, *Sow. Jun.* Z. P. 1841. Ticao, of the Philippines.

6. R. nana, *Sow. Jun.* Z. P. 1841. Panama.

7. R. rugosa, *Sow. Jun.* Z. P. 1841.

8. R. cælata, *Brod.* Z. P. 1832. Panama.

9. R. crumena, *Lam.*

10. R. rhodostoma, *Beck. Sow. Jun.* 1841. Isl. Masbate, of the Philippines.

11. R. muriciformis, *Brod.* Z. P. 1832, Columbia.

11.* R. muriciformis, var.

12. R. affinis, *Brod.* Z. P. 1832. Annaa.

13. R. tuberculata, *Brod.* Z. P. 1832. Taheite.

14. R. albo-fasciata, *Sow. Jun.* Z. P. 1841. Panama, of the Philippines.

15. R. lævigata, *Lam.*
16. R. ventricosa, *Brod.* Z. P. 1832. Callao. Peru.
17. R. elegans, *Beck.* Chemn. 1270. Nicobar.
18. R. sub-granosa, *Sow. Jun.* Z. P. 1841. Bay of Manilla. This shell differs from R. elegans in being more finely grained and in the tubercles being much less sharp and prominent.
19. R. pulchra, *Gray.* Jay's catalogue, comonly called the "Finned Frog."
20. R. verrucosa, *Sow. Jun.* from a shell in the collection of J. Norris, Esq. resembling, in general form, R. Rhodostona and R. cruentata, but having on each side of the whorl, 3 rows, each consisting of three large, mahogany brown, smooth, rounded tubercles, between the varices, and of one on the varix. The teeth on the inner lip are interlined with red.
21. R. scrobiculator, var.
22. R. neglecta, *Sow. Jun.* Z. P. 1841.

A CATALOGUE

OF ALL THE RECENT SPECIES HITHERTO KNOWN OF THE GENUS

Monoceros,

OF LAMARCK.

Spec.

1. Mon. cingulatum *Lam.* Hist. Nat. des anim. sans vert. Encycl. meth. t. 396. f. 4. *Sowerby*, Genera of Recent and Fossil Shells, No. 5, Monoceros, f. 4. Panama.
2. Mon. imbricatum *Lam.* l. c. Encycl. meth. t. 396. f. 1. *Sowerby*, l.c. Monoceros, f. 1. Tierra del Fuego. var. Conch. Illustr. f. 15.
3. Mon. striatum *Lam.* l. c. Encycl. meth. t. 396. f. 3. M. breve, *Sowerby*, l. c. Monoceros f. 2. Tierra del Fuego.
4. Mon. glabratum *Lam.* l. c. Encycl. meth. t. 396. f. 5. var. Conch. Illustr. f. 16.
5. Mon. crassilabrum *Lam.* l. c. Encycl. meth. t. 396. f. 2. Conch. Illustr. f. 14. var. Conch. Illustr. f. 13. Valparaiso.
6. Mon. cymatum, *Sowerby*, Tank. Cat. No. 1888. Zool. Proc. Buccm. cymatum, *Solander*, M. S. ined. Monoceros lugubre, *Sowerby*, Genera, No. 5. Monoceros f. 3. Wood Supplement. Tab. 4. Buccinum, f. 11-12. Conch. Illustr. f. 11. California.
7. Mon. grande *Gray*, in Beechey's Narrative. Conch. Illustr. f. 1. operculum 1. a. Galapagos.
8. Mon. costatum, *Sowerby*, Zool. Proc. Conch. Illustr. f. 6. Chili (Conception.)
9. Mon.acuminatum, *Sowerby*, Zool. Proc. Conch. Illustr. f. 10. Chili (Baldivia.)

Spec.

10 Mon. Globulus, *Sowerby*. Zool. Proc. Conch. Illustr. f. 8. Chili (Maulé.)

11 Mon. citrinum, *Sowerby*, Zool. Proc. Conch. Illustr. f. 2. var. Conch. Illustr. f. 12. Coquimbo.

12 Mon. brevidentatum, *Gray*, in Beechey's Narrative. Woods Index testaceologicus, Suppl: t. 4. Buccinum. f. 10. Conch. Illustr. f. 4. Purpura cornigera, De Blainville, Annales du Museum, Monographie des Pourpres t. 9. f. 4.

13 Mon. punctulatum, *Gray*, in Beechey's Narrative. Conch. Illustr. f. 3.

14 Mon. unicarinatum, *Sowerby*. Conch. Illustr. f. 5.

15 Mon. tuberculatum, *Gray*. Conch. Illustr. f. 9.

16 Mon. fusoides, *King*, Zool. Journ. V. p. 348. Conch. Illustr. f. 7.

CORRECTED LIST OF FIGURES

In Parts 79, 81 to 83, of the

CONCHOLOGICAL ILLUSTRATIONS.

Fig. 1. M. grande. *a* operculum.
2. M. citrinum.
3. M. punctulatum.
4. M. brevi-dentatum.
5. M. unicarinatum.
6. M. costatum.
7. M. fusoides.
8. M. globulus.
9. M. tuberculatum.
10. M. acuminatum.
11. M. cymatum.
12. M. citrinum. *var.*
13. M. crassilabrum, var.
14. M. crassilabrum.
15. M. imbricatum, var.
16. M. glabratum, var.

A CATALOGUE

OF ALL THE

RECENT SPECIES OF THE GENUS

EBURNA.

CONCHOLOGICAL ILLUSTRATIONS,

Part 20.

1 spirata *Lam.* Encycl. meth. t. 401. f. 2. E. Indies.

2 Ambulacrum *nob.* Tank. Cat. App. p. 22. Conch. Illustr. f. 2. Java.

3 Valentiana *Swains.* Zool. Illustr. first series pl. 144. Red Sea.

4 pacifica *Swains.* (*lutosa Lam.*) Zool. Illustr. first series pl. 146. New Zealand.

5 tessellata *Swains.* (*areolata Lam.*) Zool. Illustr. first series. pl. 145. China, *Lam.*

6 Zeylanica *Lam.* Encycl. meth. t. 401. f. 3. Ceylon.

7 plumbea *nob.* Conch. Illustr. f. 3 & 4. Bucc. plumbeum auct.^{m}

8 australis *nob.* (*Cancellaria spirata Lam. secund. D. Gray.*) Conch. Illustr. f. 5. New South Wales. Shell ovate, pinkish brown, with darker spots, spirally striated, with a deep spiral groove close to the suture; outer lip with a small tooth at the edge near the base.

9 papillaris *nob.* Tank. Cat. App. p. 22. Conch. Illustr. f. 1. Cape of Good Hope.

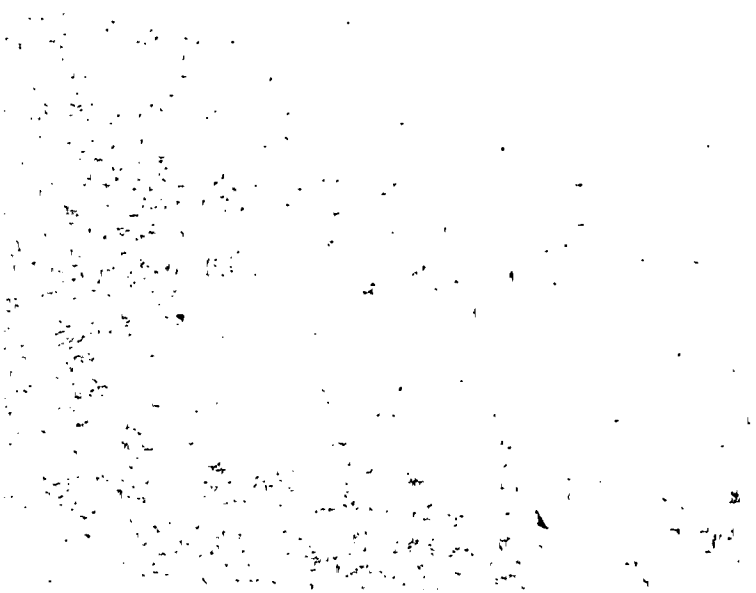
LIST OF FIGURES.

Fig. 1. E. papillaris.

2. E. Ambulacrum.

3 & 4. E. plumbea.

5. E. australis.



A CATALOGUE

OF THE

RECENT SPECIES OF CYPRÆADÆ.

In the following Catalogue the Recent Species of the family of Cypræadæ are arranged as far as the present state of knowledge will enable us according to their apparent relations. It is drawn up by Mr. G. B. SOWERBY, the Elder, who alone must be held responsible for all its imperfections, be they few or many. He has added Descriptions of such as are not already described in the Zoological Journal. As representations are given of those that are not figured before they will be referred to in this Catalogue. A few observations are added, and *no charge is made for it.*

Genus CYPRÆA.

1 Cypræa Princeps, *Gray*, Zool. Jour., I. p. 75, Conch. Ill. f. 1, Persian Gulf

2 ——— Mappa, *Linn.*, Encycl. Meth. t. 352, f. 4, *Sowerby*, Gen. of Shells, Cypræa, f. 3, Indian Ocean, Friendly Islands, Annaa, &c.

Obs. Of this beautiful species there are four or five varieties from different localities.

3 ——— Arabica, *Linn.*, Encycl. Meth., t. 352, f. 1, 2, Indian and Pacific Oceans.

Obs. This appears to be a variable species. The *C. Histrio*, and *C. reticulata* of some authors, Encycl. Meth., t. 351, f. 1, may possibly prove to be distinct. I have never seen the *C. maculata* of *Barnes*, but if

permitted to form my judgment from his figure (Ann. of Lyceum of Nat. Hist. of New York, vol. I., part 1, p. 133, pl. IX. f. 1.) I should say it was perfectly distinct.

4 Cypræa Tigris, *Linn.*, Encycl. Meth., t. 353, f. 3. Indian and Pacific Oceans.

5 ——— Pantherina, *Solander*, Encycl. Meth., t. 353, f. 5. Persian Gulf.

Obs. C. *umbilicata* of *Sowerby*, in Tank. Cat. may prove to be only a variety of this.

6 ——— Mauritiana, *Linn.*, Encycl. Meth. t. 350, f. 2. East Indies and Pacific.

7 ——— stercoraria, *Linn.*, Encycl. Meth. 354, f. 5. Persian Gulf.

8 ——— Aurora, *Solander*, Chem. XI., f. 1737-1738. Ulitea, one of the Society Islands.

9 ——— Leucodon, *Brod.*, Zoological Journal IV., t. 5. Locality unknown.

10 ——— sulcidentata, *Gray*, Zool. Journ., t. 7 & 12, f. 5, Locality unknown.

11 ——— Arabicula *Lam.*, Zool. Journ. I., t. 7 & 12, f. 4. St. Elena: small variety from Real Llejos.

12 ——— Lynx, *Linn.*, Encycl. Meth., t. 355, f. 8. East Indies and Pacific.

13 ——— Vitellus, *Linn.*, Encycl. Meth., t. 354, f. 6. East Indian Ocean, Pacific; Annaa.

14 ——— Carneola, *Linn.*, Wood Ind. Test. t. 16, f. 9. East Indian Ocean, Pacific; Annaa.

15 ——— cinerea, *Linn.*, Wood Ind. Test., 17, f. 27. West Indies

15* ——— Reevei, *Gray*. Shell oval, ventricose, brown; spire evident, aperture narrow, ends short, reddish; teeth

small, numerous, continuing over the columella and strongly marked over the cavity at its anterior extremity; length 1·2, breadth 0·85. From Garden Island, mouth of the Swan River. Conch. Illustr., f. 52.

16 Cypræa melanostoma, *Leathes*, Zool. Journ., t. 18, f. 3, 4. Persian Gulf.

17 ——— achatina, *Solander*, Wood Ind. Test., t. 17, f. 18. Annaa, South Seas

18 ——— arenosa, *Gray*, Zool. Journ., I. t. 7 & 12, f. 6. Pacific Ocean, Annaa.

19 ——— nivosa, *Brod.*, Zool. Journ. III., t. 4, f. 1, Mauritius

20 ——— Broderipii, *Gray*, Conch. Illus., f. 2. Madagascar.

Shell oval, ventricose, rather acuminated in front, of a pale fulvous colour varied with rosy hue and whitish, and for the most part covered with variously sized brown reticulations, dorsal line rather lateral, wide, not covered with the brown reticulations; aperture rather narrow, teeth nearly covering the whole of the columellar lip, white, rather large, those of the columellar lip smaller; base orange brown; sides darker, cracked, with some white spots about their upper edge; extremities brown: length 2·65, breadth 1·75, Conch. Illust. f. 2.

C. Broderipii, *Gray*, Descrip. Cat. p. 3, no. 18.

Obs. The only specimen known is in Mr. Cumings Cabinet.

21 ——— Exanthema, *Linn.*, Encycl. Meth., t. 349. West Indies.

22 ——— Cervus, *Linn.*, Encycl. Meth., t. 351, f. 3. East Indies

23 Cypræa Testudinaria, *Linn.*, Encycl. Meth., t. 351, f. 2, Mauritius.

24 ——— Talpa, *Linn.*, Encycl. Meth., t. 353, f. 4, Indian Ocean, Annaa.

25 ——— exusta, Conch. Illustr., f. 2*. Persian Gulf. Shell oblong-oval, dark brown, beneath pitch black; extremities rather produced; teeth very numerous, close-set, small, short, particularly those of the columellar lip; base of the columella white, with two rather obsolete teeth near the anterior extremity; teeth dark brown, not extending over the columella, nor over the concavity near its base; space between the teeth and the fold forming the anterior canal very narrow. Length 2·6, breadth 1·4. Inhabits the Persian Gulph.

Obs. This is the *Cypræa Talpa exustus* of Gray's Descr. Catal. p. 4, no. 28. It appears to be quite distinct.

26 ——— Argus, *Linn.*, Encycl. Method., 350, f. 1. Indian Ocean; Friendly Islands.

27 ——— Scurra, *Chem.*, Encycl. Meth., t. 352, f. 3. Annaa, East Indies.

28 ——— pulchra, *Gray*, Zool. Journ., Vol. I. t. 7. and 12, f. 9. Persian Gulf.

29 ——— Isabella, *Linn.* Wood's Cat., t. 17, f. 18. East Indian and Pacific; Annaa.

30 ——— controversa, *Gray*, Zool. Journ., t. 7 & 12, f. 7. *Obs.* This may prove to be only a variety of C. Isabella

31 ——— lurida, *Linn.*, Encycl. Meth., t. 354, f. 2. Mediterranean.

32 ——— microdon, *Gray*, Conch. Illust. f. 3.

33 Cypræa Scottii *Brod.*, Zool. Jour., Vol V., p. 330, t. XIV. Garden Island.

34 ——— Mus, *Linn.*, Encycl. Meth., t. 354, f. 1.

Obs. The Ovula tuberculosa, *Duclos*, is a decided Cypræa, and should come next to this; it is the same as Mr. Gray has called Cypræa Deshayesii.

35 ——— tessellata, *Swainson*, Zool. Illust., t. 111. South Sea Islands.

36 ——— annulata, *Gray*, Conch. Illust. f. 4. Annaa.

37 ——— Margarita, *Sol.*, Conch. Illust., f. 6. Ulitea.

38 ——— Cicercula, *Linn.*, Encycl. Meth., t. 355, f. 1. Annaa.

39 ——— Globulus, *Linn.*, Encycl. Meth., t. 356, f. 2, East Indies

40 ——— Staphylæa, *Linn.*, Encycl. Meth., t. 356, f. 9. Mauritius.

41 ——— Nucleus, *Linn.*, Encycl. Meth. t. 355, f. 3. Mauritius; Annaa.

42 ——— Madagascariensis, *Lam.*, Sowerby's Genera, Cypræa, f. 6. Madagascar, Pacific.

43 ——— guttata, *Gmel.*, Zool. Journ., II., t. 18, f. 1, 2.

44 ——— poraria, *Lam.*, Encycl. Meth., t. 356, f. 4, Ceylon; Pacific.

45 ——— albuginosa, *Gray*, Zool. Journ., I., t. 7 and 12, f. 2, Ceylon; Mexico.

46 ——— Listeri, *Gray*, Lister, t. 701, f. 48.

47 ——— gangrenosa, *Gmel.*, Conch. Illustr., f. 8, Ceylon

48 ——— citrina, *Gray*, Conch. Illustr., f. 9.

49 ——— Helvola, *Linn.*, Encycl. Meth., t. 356, f. 13. Tahiti.

50 Cypræa bicallosa, *Gray*, Conch. Illustr., f. 10. Shell ovate-oblong, extremities rather produced, margined, orange brown, back paler with brown dots; a light coloured callosity at each end of the back; base darker coloured; teeth large, close, much extended; length breadth

51 ——— spurca, *Linn.*, Encycl. Meth., t. 356, f. 14. var. alba, Conch. Illust., f. 53.

52 ——— flaveola, *Linn.*, Conch. Illustr., f. 11.

53 ——— erosa, *Linn.*, Encycl. Meth. t. 355, f. 4. Annaa.

54 ——— Lamarckii, *Gray*, Conch. Illustr., f. 12.

55 ——— ocellata, *Linn.*, Encycl. Meth., t. 355, f. 7. Ceylon.

56 ——— Turdus, *Lam.*, Zool. Journ. I., t. 7 and 12, f. 3. var. alba, Conch. Illust., f. 54.

57 ——— Caput-serpentis, *Linn.*, Encycl. Meth., t. 354, f. 4. Tahiti,

58 ——— Annulus, *Linn.*, Encycl. Meth., t. 356, f. 7. Tahiti.

59 ——— obvelata, *Lam.*, Conch. Illustr., f. 13. Tahiti.

60 ——— Moneta, *Linn.*, Encycl. Meth., t. 356, f. 3.

61 ——— Asellus, *Linn.*, Encycl. Meth., t. 356, f. 5.

62 ——— 4-maculata, *Gray*, Wood's Cat. App., t. 3. f. 8.

63 ——— interrupta, *Gray*, Conch. Illustr., f. 15, Ceylon.

64 ——— Hirundo, *Linn.*, Wood's Cat., t. 17., f. 36, var. Owenii, Conch. Illustr., f. 12**.

65 ——— stolida, *Linn.*, *Chemn.*, XI., 1743, 1744, Ceylon.

66 ——— neglecta *nobis*, Conch. Illustr., f. 12*.

Shell ovate-oblong, bluish; with an irregular rust-colored blotch in the middle of the back, ends produced,

spire depressed; two black dots at each end; margins and base white, the former brown dotted: teeth numerous, much extended on both sides, length 0·7., breadth 0·4. From the Mauritius.

C. Hirundo, var. 1. *Gray*, Descr. Cat., p. 9. *C. stolida*, var. nobis.

Obs. A very pretty little shell, which may be distinguished at first sight with ease from both C. Hirundo and C. stolida, though more like the latter than the former.

67 Cypræa punctata, *Linn.*, Encycl. Meth., t. 355, f. 10, Mauritius.

68 ——— pulchella, *Swainson*, Conch. Illustr.. f. 40.

69 ——— pyriformis, *Gray*, Conch. Illustr., f. 23, Ceylon.

70 ——— Walkeri, *Gray*, Conch. Illustr., f. 22*.

Shell ovate, somewhat pear-shaped, pale with yellow brown dots, and a broad interrupted central band; spire depressed; base and margin yellowish, the latter with a few purple dots; anterior extremity with two purple spots, posterior with an irregular dark blotch; teeth whitish, their interstices purple, those of the inner lip small, close-set, and somewhat extended; inside purple; length 0·9. breadth 0·5.

Cypræa Walkeri, *Gray*, Desc. Cat., Cypræadæ, p. 11.

Hab. in the Persian Gulph. Collection of Mr. Walker.

71 ——— Humphreysii, *Gray*, Zool. Journ., I. p. 489, Conch. Illust., f. 55.

72 ——— teres, *Gmel.*, Conch. Illust., f. 56.

Shell oblong, cylindrical, pale purplish brown; with three interrupted bands, consisting of short longitudinal stripes, the middle band broadest; spire umbilicated; base white; margin white with a few brown spots;

extremities produced, turned upwards; outer lip rather thickened, reflected, with its front depressed; teeth small, numerous, close-set, all within the aperture, which is narrow and linear, length 0·8. breadth 0·35.

From Haynam. This species approaches nearest to C. tabescens of which Mr. Gray considers it a variety: it appears to me to be easily distinguished by the above characters.

73 ——— tabescens, *Solander*, Conch. Illustr., f. 14, Ceylon, Tahiti.

74 ——— cylindrica, *Born.*, Sowerby's Genera, Cypræa, f. 4. Tahiti.

75 ——— Cribraria, *Linn.*, Encycl. Meth., t. 355, f. 5, Mauritius, var. Conch. Illustr., f. 16*.

76 ——— Goodalli, *Gray*, Conch. Illustr., f. 16.

Shell oblong, white, margins with a few brown dots; back with a nearly central irregular brown blotch, having a few white spots on it; spire depressed; teeth small; length 0·55, breadth 0·3. Found by Mr. Cuming. Lord Hood's Island.* C. Goodallii Gray Descrip. Cat. Cypræadæ, p. 10.

77 Cypræa Cumingii, *Gray*, Conch. Illustr., f. 5.

Shell oblong, ends produced, spire depressed; back pale fulvous, with round white spots, margins with round very dark brown dots, outer margin thickened; base white, mouth long and narrow, teeth very small: length 0·6. breadth 0·3. Cypræa Cumingii, Gray, Descr. Cat., p. 6, No. 41.

Obs. Two specimens were found by Mr. Cuming.

78 ——— Caurica, *Linn.*, Encycl. Meth., t. 356, f. 10.

* *Lord Hood's Island* and *Annaa* or *Chain Island* belong to the Paumotian group.

——— cruentata, *Gmel.*, Encycl. Meth., t. 353, f. 2.

——— errones, *Linn.*, Wood's Cat. t. 17, f. 39.

——— felina, *Gmel.*, Wood's Cat. t. 17, f. 26.

——— irrorata, *Solander*, Conch. Illus. f. 25. Elizabeth Island.

——— Spadicea, *Swains.*, Zool. Illust. t. 182. Upper and lower figures.

——— Onyx, *Linn.*, Wood's Cat. t. 17, f. 31.

Obs. There are several varieties of this species, one of which is C. *adusta* of Lam. : and another very beautiful variety of a fine flesh-color is represented at f. 17 of these Conch. Illust.

85 ——— Pyrum, *Gmel.*, Encycl. Meth. t. 373, f. 1. Mediterranean.

86 ——— picta, *Gray*, Zool. Journ. t. 7 & 12, f. 10. Guaymas.

87 ——— zonata, *Lam.*, Zool. Journ., t. 7 & 12, f. 8.

88 ——— Xanthodon, *Gray*, Conch. Illust. f. 18.

Shell ovate, bluish brown, with central and posterior darker transverse bands and dotted with olive brown; base rounded, fulvous, sides rather thickened, lighter, with a few large black spots; teeth reddish brown; inside dark purple: length 1·2, breadth 0·75. Cypræa Xanthodon, Gray's Descrip. Cat., p. 10.

89 ——— nigro-punctata, *Gray*, Conch. Illust. f. 22. Gallapagos Islands.

90 ——— pallida, *Gray*, Conch. Illust., f. 19.

91 ——— punctulata, *Gray*, Conch. Illust., f. 23. Panama.

92 ——— ziczac, *Linn.*, Encyl. Meth., t. 356, f. 8.

93 ——— undata, *Solander*, Wood's Cat., t. 17, f. 23.

94 ——— clandestina, *Linn.*, Wood's Cat., app. t. 3, f. 17.

95 Cypræa lentiginosa, *Gray*, Zool. Journ., t. 7 & 12, f. 1. Ceylon.

96 ——— contaminata, *Gray*, Conch. Illust., f. 21.

Shell pale buff colour, oblong pear-shaped; base and margin with dark brown dots; dorsal margin of the outer lip slightly reflected; spire depressed, extremities produced; teeth small, close set. Length 0·5, breadth 0·27. C. contaminata, Gray's Descriptive Cat. p. 11, No. 88.

97 ——— sanguinolenta, *Gmel.*, Swains. Zool. Illust. t. 182, middle figures.

98 ——— fimbriata, *Dillw.* Wood's Cat., t. 17, f. 57. Sibo, Mauritius, &c.

99 ——— angustata, *Gmel.*, Wood's Cat., t. 17, f. 32. South Africa.

100 ——— piperita, *Gray*, Conch. Illust., f. 24. New South Wales.

101 ——— Algoensis, *Gray*, Conch. Illust., f. 26. Southern Africa.

102 ——— edentula, *nobis*, Conch. Illust., f. 26.* Southern Africa

Shell pear-shaped, fulvous, dotted with brown; beneath and border lighter, with darker and larger dots; margin of the outer lip thickened; aperture rather wide, without teeth; anterior extremity of the columella curved downwards, without any folds; spire distinct, flat; posterior extremity rather produced: length 0.9, breadth 0.6.

Obs. This, according to Mr. Gray, is a variety of his Luponia Algoensis, "with the teeth more or less obliterated:" but there never have been the slightest vestige of teeth in any of the specimens we have seen,

nor are there any irregular ridges crossing the front edge of the columella, which form the distinguishing mark of his genus Luponia. It is an extremely rare and very distinct species from Southern Africa.

103 Cypræa similis, *Gray*, Conch. Illust., f. 27. Cape of Good Hope.

Shell pear-shaped, smooth, pale brown, with the border and base lighter and spotless: anterior end of the columella crossed by two or three irregular ridges; teeth of the outer lip large, distant; those of the inner lip closer, slightly extended: length 1·4, breadth 0·9.

C. similis, *Gray*, Zool. Misc. p. 36.

104 ——— fusco-dentata, *Gray*, Conch. Illust., f. 28. Cape of Good Hope

105 ——— capensis, *Gray*, Wood's Cat., app. t. 3, f. 18. Cape of Good Hope.

106 ——— pustulata, *Lam.*, Sowerby's Genera, f. 5. Panama and Isle of Plata, Mexico.

107 ——— Adamsonii, *Gray*, Conch. Illust., f. 7. Mauritius.

Shell pearshaped, with numerous transverse ribs, decussated by less distinct and more distant longitudinal ribs; whitish, mottled with pale brown; teeth numerous, close-set and sharp: length 0·4, breadth 0·25.

C. Adamsonii, *Gray*, Descrip. Cat. of Shells, p. 7, Cypræadæ No. 48.

108 ——— ovulata, *Lam.*, Encycl. Meth., t. 355, f. 2, Cape of Good Hope

109 ——— aperta, *Swainson*, Wood's Cat., app. t. 3, f. 10. Cape of Good Hope.

110 ——— carnea, *Gray*, Wood's Cat., app. t. 3, f. 15.

111 Cypræa Maugeriæ, *Gray*, Conch. Illust., f. 30. Gallapagos.

Shell oval, thin, pellucid, rose coloured, with darker ends and a central dorsal blotch; ribs thin, numerous, rather close, the interstices roughish; dorsal groove distinct, narrow; lips whitish, teeth sharp: length 0·5, breadth 0·35. Cypræa Maugeriæ, *Gray*, Descr. Cat. p. 13, No. 111.

112 ——— Australis, *Lam.*, Conch. Illust., f. 29. New South Wales.

113 ——— rufescens, *Gray*, Conch. Illust., f. 31.

Shell nearly globular, pale reddish, thin, pellucid, ribs thin, rather close; under side white, outer lip rather narrow; no dorsal line; length 0·4, breadth 0·3. Cypræa rufescens, *Gray*, Descr. Cat. p. 13, No. 112.

114 ——— Europæa, *Lam.*, Encycl. Meth., t. 356, f. 1. b.

115 ——— sanguinea, *Gray*, Conch. Illust., f. 32. Panama and Mexico.

Shell ovate, dark purplish brown, with a dark crimson blotch on the back, dorsal line short, its ends whitish; ribs rather distant, smooth, lighter coloured: length 0·45, breadth 0·30. Cypræa sanguinea, *Gray*, Descr. Cat. p. 14, No. 119.

116 ——— quadripunctata, *Gray*, Conch. Illust., f. 33.

117 ——— globosa, *Gray*, Conch. Illust., f. 34.

Shell globular, reddish, closely and acutely ribbed; dorsal line narrow, distinct, running from the posterior to the anterior extremity; margin thickened; under side rounded, white; teeth small, sharp: length 0·3, breadth 0·25. Cypræa globosa, *Gray*, Descr. Cat. p. 14, No. 121.

118 ——— exigua, *Gray*, Conch. Illust., f. 35.

Shell ovate, pellucid, white, varied with rose colour;

extremities subrostrated; dorsal ribs thick, distant; lateral and ventral ribs thin and close, and teeth small; no dorsal groove: length 0·2, breadth 0·15. New South Wales, G. Humphrey. Cypræa exigua, *Gray*, Descr. Cat. p. 15, No. 123.

119 Cypræa subrostrata, *Gray*, Conch. Illust. f. 36.

120 ——— fusca, *Gray*, Conch. Illust., f. 37. Gallapagos and Bay of Guyaquil. Mus. Cuming.

Shell ovato-globose, dark brown, with a pale dorsal streak, extremities slightly produced; ribs small, rather close, some of them not continued to the edge of the lips beneath: length 0·33, breadth 0·25. Cypræa fusca, *Gray*, Descr. Cat. p. 15, No. 125.

121 ——— Oryza, *Lam.*, Conch. Illust., f. 38.,

122 ——— nivea, *Gray*, Conch. Illust., f. 38*.

123 ——— Pulex, *Solander*, Conch. Illust., f. 32,

124 ——— Pediculus, *Linn*, Encycl. Meth., *t.* 356, f. 1, *a*.

125 ——— Pacifica, *Gray*, Conch. Illust., f. 39*. Gallapagos.

Shell ovato-oblong, brown, with minute dots and four squarish darker brown alternating spots on the sides of the narrow dorsal grove; ribs narrow, rather close set; sides rather thickened, rose coloured, base and teeth white: length 0·4, breadth 0·25.

Cypræa pacifica, *Gray*, Descrip. Cat. p. 15, No. 133.

126 ——— suffusa, *Gray*, Conch. Illust., f. 41.

Shell ovate, rose-coloured, dotted and varied with reddish brown, base paler; dorsal groove narrow, ribs close-set, granose on the back; anterior end on each side of the canal rose-red: length 0·45, breadth 0·30.

Cypræa suffusa, *Gray*, Descr. Cat. p. 16, No. 134.

127 ——— Californica, *Gray*, Conch. Illust., f. 42.

128 Cypræa Solandri, *Gray*, Conch. Illust., f. 43.

Shell reddish brown, with a light-coloured dorsal groove, and a dark streak along each side of it; ribs prominent, wide apart, tuberculated at their dorsal extremities, mouth rather narrow, teeth of the outer lip more numerous than in C. radians: margin generally broad: length 0·7, breadth 0·55. Pacific Ocean.

Obs. This species is very much like *radians*, indeed it is impossible to know which of the two, this or the one we commonly call by that name, is the *radians* of Lam. The principal difference is in the number of teeth on the inner edge of the outer lip.

129 ——— radians, *Lam.*, Wood's Cat. t. 17, f. 58.

130 ——— depauperata, *Nobis*, Conch. Illust., f. 49.

Shell nearly orbicular, rather depressed. pale fawn coloured, dorsal line narrow, distinct; transverse ribs few, distant, sometimes interrupted; margins thickened; under side somewhat rounded; ribs and teeth of the outer lip more numerous and closer than those of the inner: length 0·5, breadth 0·4.

The locality of this species, which does not appear to be nearly related to any other is unknown; very few specimens have occurred.

Genus, ERATO, *Gray*.

Obs. I readily adopt this Genus, which appears to have been first established by Risso, followed by Gray: merely observing that it is a link connecting *Cypræa* with *Marginella*.

1 Erato scabriuscula, *Gray*: Marginella Cypræola, *Sowerby*, Conch. Illust. f. 45.

Shell ovate, turbinate, purplish brown, covered, except the dorsal line, with minute granules; spire short, conical; aperture rather wide, paler coloured; columellar lip plaited transversely its whole length; outer lip thickened, largely toothed on its inner edge; anterior canal wide: length 0·4, breadth 0·2. Brought by Mr. Cuming from St. Elena and Acapulco.

Obs. Young shell destitute of the minutely granular coat, and of course not showing the dorsal line.

2 —— sulcifera, *Gray*, Conch. Illustr. f. 46.

Shell ovate, turbinate, pallid, very minutely and indistinctly granular; dorsal line wide, deeply impressed; aperture linear, very narrow, outer lip thickened, nearly white, minutely toothed on its inner margin; anterior part of the columellar lip minutely toothed; a single red spot at the anterior extremity: length 0·2, breadth 0·1. From the Cape of Good Hope; a single specimen in the late G. Humphrey's collection.

3 —— lævis, *Gray; Cypræa Voluta Mont. Test. Brit.* p. 203, t. 6, f. 7. *Voluta lævis, Dovovan.* Coasts of Britain and Mediterranean, Conch. Illustr. f. 57.

4 —— Maugeriæ, *Gray*, Conch. Illustr. f. 47.

Shell somewhat conical, turbinate, livid; spire very short, last volution ventricose, very obtusely angular behind; outer lip thickened, nearly white, toothed along its inner margin; a few very indistinct teeth near the front of the columella: length 0·2, breadth 0·15. West Indies, common.

5 —— Lachryma, *Gray*. *Lachryma trifasciata*, Humphrey, MSS., Conch. Illust. f. 48.

Shell oval, turbinate, whitish, with three red transverse

bands, smooth; aperture narrow; outer lip somewhat thickened, minutely toothed on its inner edge; columellar lip slightly concave, toothed anteriorly: length 0·2, breadth 0·13. From New South Wales; several specimens were in the cabinet of the late G. Humphrey.

6 Erato Guttula, *Sowerby*, Conch. Illustr. f. 50.

Shell ovate, rather ventricose, cream coloured; spire very short, indistinct, aperture narrow, rather effuse anteriorly; outer lip thickened, very minutely and indistinctly toothed along its inner margin; columellar lip with three folds anteriorly: length 0·25, breadth 0·15. From the Mauritius.

Obs. When worn the spire is distinct.

7 —— angistoma, *Sowerby*, Semi-Cowry, *G. Humphrey*.

Shell ovate, gibbose, pallid; spire short; aperture as long as the whole shell, very narrow; outer lip rather thickened, wide, very minutely toothed along its inner margin; columella with six or seven anterior folds and internal concavity: length 0·2, breadth 0·15. From the East Indies. Conch. Ill. f. 51.

Genus OVULUM.

1 Ovulum Ovum, *Sowerby, Spec. Conch. Ovulum*, f. 1 to 5.
2 ——— Margarita ,, ,, f. 19, 20.
3 ——— Adriaticum ,, ,, f. 23, 24.
4 ——— Pyriforme ,, ,, f. 21, 22, 25.
5 ——— Carneum ,, ,, f. 17, 18.
6 ——— Marginatum ,, ,, f. 15, 16.
7 ——— Lacteum ,, ,, f. 13, 14.
8 ——— Breve ,, ,, f. 26, 27.
9 ——— verrucosum ,, ,, f. 10, 11, 12.

10 Ovulum angulosum, *Sowerby, Sp. Con. Ovulum* f. 6 to 9.
11 ——— triticeum „ „ f. 35.
12 ——— Frumentum „ „ f. 37.
13 ——— striatulum „ „ f. 38.
14 ——— emarginatum „ „ f. 54, 55.
15 ——— gibbosum „ „ f. 28 to 31.
16 ——— obtusum „ „ f. 34.
17 ——— Seminulum „ „ f. 40.
18 ——— Formicarium „ „ f. 39.
19 ——— Secale „ „ f. 36.
20 ——— Spelta „ „ f. 43.
21 ——— intermedium „ „ f. 32, 33.
22 ——— birostre „ „ f. 41, 42, 44, 45.
23 ——— longirostratum „ „ f. 46 to 48.
24 ——— Volva „ „ f. 56, 57.
25 ——— aciculare „ „ f. 49 to 52.
26 ——— patulum „ „ f. 58.
27 ——— hordeaceum „ „ f. 53.
28 ——— rufum. Shell oblong, acuminated at the posterior extremity, red; outer lip thickened, paler; aperture narrow, broader anteriorly; columella with a depressed longitudinal line within, and a slightly spiral posterior plait; length 0·5, breadth 0·15. Varies in being wholly of a pale colour. A few specimens were dredged in sandy mud at a depth of seven fathoms in the Bay of Caraccas by Mr. Cuming. *Conch. Ill. Cyprædæ*, f. 58.
29 ——— Avena. Shell oblong, red, extremities rather acuminated, back somewhat gibbous, very finely transversely striated; outer lip thickened, paler; aperture narrow, broader at the anterior, and notched at the posterior extremity; columella with a single plait poste-

riorly; length 0·55. breadth 0·22. Found by Mr. Cuming at Conchagua in Mexico. Varies in the intensity of its colouring. *Conch. Ill. Cypræadæ*, f. 59.

30 Ovulum inflexum. Shell oblong, somewhat cylindrical, smooth, pale; posterior extremity somewhat beaked, beak inflected; aperture rather effuse anteriorly; outer lip thickened, columellar lip keeled within, with a single plait posteriorly, length 0·7. breadth 0·25. A single specimen was found by Mr. Cuming in the Gulph of Dulce. Two were in the late G. Humphrey's Collection. *Conch. Ill. Cypræadæ*, f. 60.

31 ——— æquale. Shell oblong, somewhat cylindrical, red; outer lip thickened; extremities rather obtuse; aperture rather broad, equal at each extremity; columella with a distinct internal keel, length 0·45. breadth 0·18. Found at Panama by Mr. Cuming. *Conch. Ill. Cypræadæ*, f. 61.

INDEX

TO

THE CYPRÆIDÆ,

Contained in parts 1 *to* 8, *and* 101 *to* 131, *inclusive.*

*** The numbers after the names indicate the situation of the species in the Catalogue.

FIG.
1 Cypræa Princeps, 1
2 — Broaderipii, 22
2* — exusta, 35
3 — microdon, 32
4 — annulata, 36
5 — Cumingii, 77
6 — Margarita, 37
7 — Adamsonii, 107
8 — gangrenosa, 47
8* — gangrenosa, var.
9 — citrina. 48
10 — bicallosa, 50
11 — flaveola, 52
12 — Lamarckii and *var.*, 54
12* — Stolida, *var.*, 65
12** — Hirundo, *var.*, 64
13 — obvelata, 59
14 — tabescens, 73
15 — interrupta, 63
16 — Goodallii, 76
16* — cribraria, var., 75
17 — Onyx, var., 84
18 — Xanthodon, 88
19 — pallida, 90
20 — punctulata, 20
21 — contaminata, 96
22 — nigro-punctata, 89
22* — Walkeri, 70
23 — pyriformis, 69
24 — piperita, 100
25 — irrorata. 82
26 — Algoensis, 101
26* — edentula, 102
27 — similis, 103
28 — fusco-dentata, 104
29 — australis, 112
30 — Maugeriæ, 111
31 — rufescens, 113
32 — sanguinea, 115
32* — Pulex, 123
33 — 4-punctata, 116
34 — globosa, 117
35 — exigua, 118
36 — subrostrata, 119

FG.
37 Cypræa fusca, 120
38 — Oryza, 121
38* — nivea, 122
39* — pacifica, 125
40 — pulchella, 28
41 — suffusa, 126
42 — Californica 127
43 — Solandri, 128
44 — Scottii, 33
45 Erato scabriuscula
46 — sulcifera
47 — Maugeriæ
48 — Lachryma
49 Cypræa depauperata, 130
50 Erato Guttula
51 — angistoma
52 Cypræa Reevii, 15*
53 — Spurca, *var. alba.*, 51
54 — Turdus, *var. alba.*, 56
55 — Humphreysii, 71
56 — teres, 72
57 Erato lævis
58 Ovulum rufum
59 — Avena
60 — inflexum
61 — æquale.
63 Cypræa cribraria, 75
64 — melanostoma, 16
65 — melanostama, *var.*
66 — Vitellus, 13
67 — ocellata, 55
68 — poraria, 44
69 — Childreni
70 — Mappa. *var.* S. Pacific
71 — pustulata, 106 [Ocean. 2
72 — Pyrum, 85
73 — Achatina, 17
74 — pulchella, 68
75 — arenosa, 18
76 — pallida, 90
77 — arabicula, 11
78 — Globulus, 39
79 — zonota, 87
80 — Histro. (Arabica 3)

FIG
81 Cypræa spurca, 51
82 — lurida, 31
83 — staphylæa, 40
84 — Cicercula, 38
85 — arabica, 3
86 — Nucleus, 41
87 — clandestina, 94
88 — 4-maculata, 62
89 — var
90 — Tigris, 4
91 — stolida, 65
92 — var
93 — Asellus, 61
94 — tessellata, 55
95 — spadicea, 83
96 — Lamarckii, *var. alba.*, 54
97 — Beckii, *Gask.*
98 — Isabella, 29
99 — Mappa, *var.*, 2
100 — nivosa, 19
101 — cylindrica, 74
102 — albuginosa, 45
103 — Indica, (Scurra, 27)
104 — spurca, 51
105 — angustata, 99
106 — Scurra, 27
107 — Lynx, 12
108 — sanguinolenta, 97
109 — undata, 93
110 — sulcidentata. 10
111 — Capensis, 105
112 — cruentata, 79
113 — Talpa, 24
114 — Listeri, 46
115 — Annulus, 58
116 — Madagascariensis, 42
117 — punctulata, 91
118 — Lynx, *var.*, 12
119 — erosa, *var.*, 53
120 — vesicularis. *Gask*
121 — Helvola, 49
122 — citrina. 48
123 — Moneta, 60
124 — errones, *var.*, 80
125 — Argus, 26
126 — pulchra, 28
127 — Caput-Serpentis, var., 57
128 — errones, *var.*, 80
129 — errones. 80
130 — Moneta, *var.*, 60
131 — Caput-Serpentis, 57
132 — errones, var., 80
133 — adusta (Onyx 84)
134 — Pantherina, var., 5

FIG
135 Cypræa Felina, var., 81
136 — controversa, 30
137 — Felina, 81
138 — fimbriata, *var.*, 98,
139 — lentiginosa, 95
140 — fimbriata, 98
141 — Aurora, 8
142 — europæa, 114
142* — ruropæa, *var.*, 114
143 — Ziczac, 92
144 — aperta, 109
145 — ovulata, 108
146 — radians, 129
147 — carnea, 110
148 — *Pediculus*, 124
149 — Candidula. *Gask. Zool. Proc. 1835*
150 — rubinicolor. *Gask.* ditto
151 — formosa. *Gask.* ditto
152 — testudinaria, 23
153 — labiosa. *Gask. Zool. Proc. 1836*
154 — vesicularis. *Gask.* ditto
155 — producta. *Gask.* ditto
156 — Mus., 34
157 — Mus. *var.?*
158 — Caurica, 78
159 — Caurica, *var.*
160 — Caurica, *var.*
161 — erythræensis. *Beck*
162 — picta, 86
163 — cinerea, 15
164 — Mauritiana, 6
165 — carneola, 14
166 — arabica. *Var. riticulata*, 3
167 — stercoraria, 7
168 — Pantherina, 5
169 — Pantherina. *Var umbilicata*, 5
170 — exanthema, 21
171 — erosa, 53
172 — erosa, *var.*
173 — Turdus, 56
174 — Hirundo, 64
175 — Cervus, 22
176 — guttata. 43
177 — Leucodon, 9. Side view Part 131
178 — Leucodon. Front view.
179 — achatidea. *Gray*
180 — errones, *var.*, 80 (C. subviridis. Reeve)
187 — Cumingii, *var.*, 77

N.B. Parts 1 to 8, and 101 to 131, inclusive, will be found to contain a complete illustrated monograph of the Genus Cypræa.

The List published with each separate Part may now be cancelled.

15*th*, *Nov*, 1837.

George Odell. Printer 18, Princes-street, Cavendish-square.

The following Species and Varieties of the Genus

CONUS

Are contained in parts 24, 25, 28, 29, 32, 33, 36, 37, 54 *to* 57, 147, 148, 151 to 158, *of the*

CONCHOLOGICAL ILLUSTRATIONS.

FIG.

1, 1*. C. muriculatus *Nob.* Z. P. 1841. Isl. Masbate, Philippines, on Coral Reefs.

2. C. albo-maculatus, *Nob.* Z. P. 1841. (C. bicolor. Con. Illus.)

3, 3*. C. maculosus & var. *Nob.* Z. P. 1841. Isl. Capul. Philippines.

4. C. Zebra, Lam.

5, 5*. C. Fabula, *Nob.*

6. C. nanus, *Brod.* Z. P. 1833. Lord Hood's Island.

7. C. aurora, *Lam.*

8, 8*. C. luteus, *Brod.* Annaa.

9. C. arcuatus, *Nob.* Z. G. IV. 379. Bay of Montija. Sandy mud, at 15 fathoms.

10. C. tiaratus, *Brod.* Z. P. 1833. Galapagos Islands.

11. C. alveolus, *Nob.* Z. P. 1841.

12. C. legatus, *Lam.* Musivum, *Brod.* Z. P. 1833. Philippines.

13. 13*. C. purpurascens, *Brod.* Z. P. 1833. Annaa.

14. C. venulatus, *Lam.* var. C. nivifer, *Brod.* Z. P. 1833. Cape De Verd Islands.

15. C. planicostatus, *Nob.* Z. P. 1841.

16. C. aspersus, *Nob.* Z. P. 1841. St. Croix. W. J.

17. C. acuminatus, var. (C. insignis, Con. Illus.)

18. C. bicolor, *Nob.* Z. P. 1841.

19. C. modestus, *Nob.* perhaps a variety of cinereus.

20. C. unicolor, *Nob.*

21. C. vittatus, *Lam.* var.

22. C. cardinalis, *Lam.* var.? (C. ornatus, Con. Illus.)

FIG.

23. C. maculiferus, *Nob.* Z. P. 1841.
24. C. bullatus, *Lam.* var.
25. C. tornatus, *Brod.* Z. P. 1833, Panama.
26. C. geographus, var. (C. obscurus, Con. Illus.)
27. C. Daucus, *Brug.* var. "lutea, fasciata et punctata." (Croceus, list.)
28. C. discrepans.
29. C. regularis, var. *Nob.* Z. P. 1841.
30. C. Princeps, var. *Brod.* Z. P. 1833. St. Elena.
30, a, b, C. Princeps, varietates. Monte Christe, Panama.
31. C. Nux, *Brod*, Z. P. 1833. Galapagos Isl.
32. C. concinnus, *Brod.* Z. P. 1833. Gulph of California.
33. C. geographus, var. rosea, *Brod.* Z. P. 1833. Annaa.
34. C. Gladiator, *Brod.* Z. P. 1833. Panama.
35. C. artoptus, *Nob.* Z. P. 1841. S. Seas.
36. C. incurvus. *Brod.* Z. P. 1833. Monte Christe.
37. C. monilifer, *Sow.* Z. P. 1833. Salango.
38. C. Archon. *Brod.* Z. P. 1833. Bay of Montija.
39. C. Glans, var.?
40. C. Orion. *Brod*, Z. P. 1833. Rio. Llejos
41. C. inflatus, *Nob.*
42. C. consors, *Nob.* Z. P. 1841.
43. C. cinereus, var.
44. C. Spectrum, var.
45. C. regularis, *Nob.* Z. P. 1841.
46. C. Ammiralis, var. coronatus.
47. C. venulatus, *Lam.* var. (C. nivifer, *Brod.*) Cape De Verd Isl.
48. C. Mercator var.?
49. C. Catus, var.
50. C. Hyæna *Lam.*?
51. C. sphacelatus, *Nob.* Z. P. 1841.
52. C. cedo-nulli, var?
53. C. splendidulus, *Nob.* Z. P. 1841.
54. C. promethæus, young? (C. papillaris C. I. list.)
55. C. proteus *Lam.* } var? (C. Breviculus C. I. list.)
Leoninus *Lam.* }
56. C. Sinensis. (not fine.) China.

FIG.

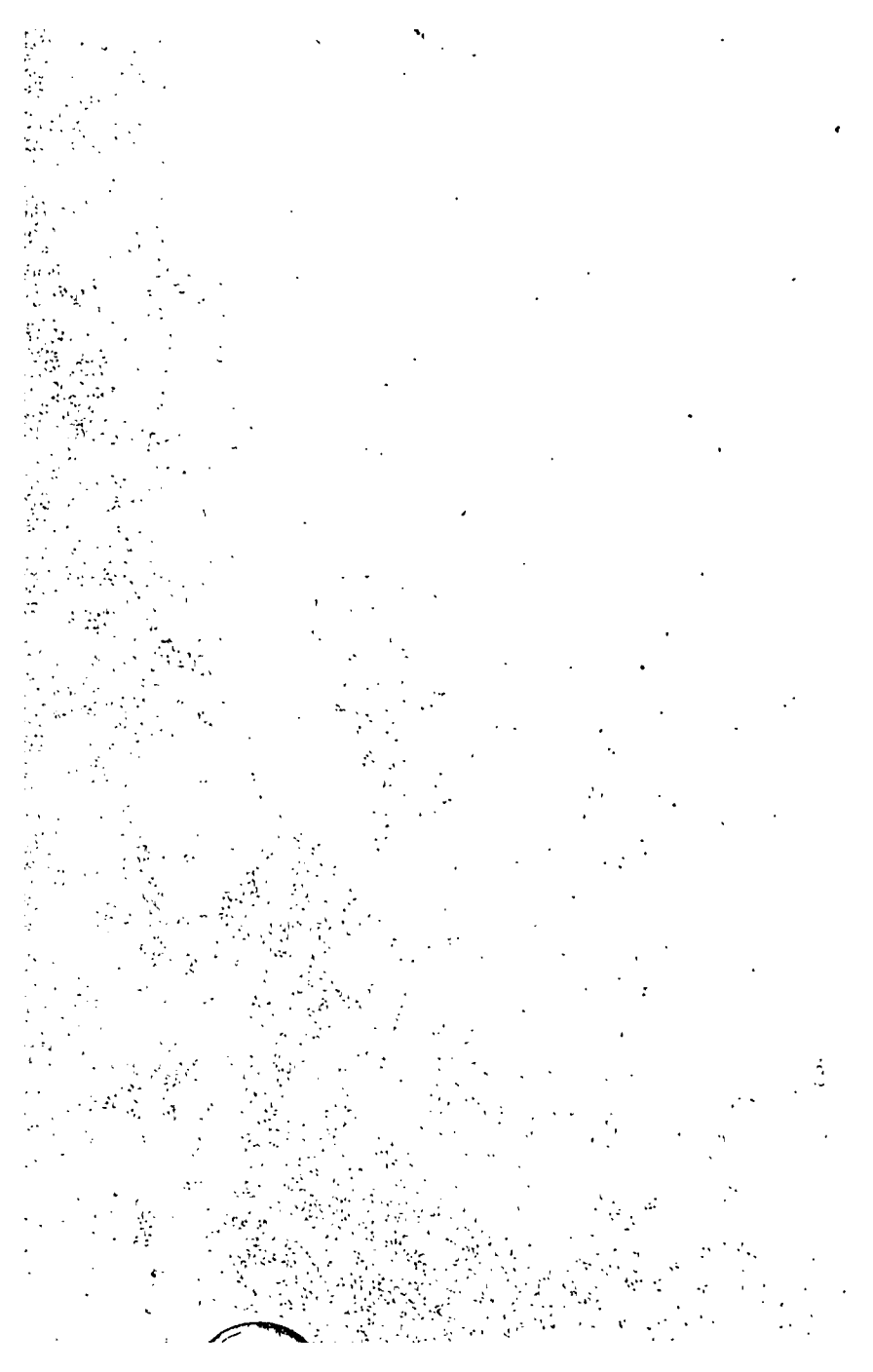
57. C. dispar
58. C. balteatus, *Nob.* Probably a variety of C. lividus.
59. C. concolor, *Nob.* Z. P. 1841.
60. C. Mediterraneus, var, (C. glaucescens C. I. list.)
61. C. pulchellus, *Nob.* Z. P. 1834.
62. C. Nussatella, var.
63. C. brunneus, *Wood*, Suppl. pl. 3. f. 1. variety from Galapagos Isl.
64. C. tendineus, var. Annaa.
65. C. Elventinus, Duclos, Guerin. Icon. Sept. 1833.
66. C. algoensis, *Nob.* Z. P. 1834. Algoa Bay.
67. C. vitulinus, var.
68. C. flavescens, *Gray*.
69. C. pusio. *Nob.*
70. C. textile, var.
71. C. auratus *Lam.* (C. aulicus, var ?)
72. C. nimbosus, var.
73. C. monachus, var ?
74. C. Capitaneus, var.
75. C. flammeus, *Lam.* var ?
76. C. solidus, *Nob.* Z. P. 1841. (Textile, var. list.)
77. C. mustelinus, test. jun. ?
78. C. pauperculus, *Nob.* Z. P. 1841.
79. C. maculosus, test. jun ? (C. papilliferus C. I. list.)
80. C. Thalassiarchus, *Gray*.
81. C. miliaris, var. granulatus. (C. minimus, C. I. list.)
82. C. fulgetrum *Nob.* Z P. 1841.
83. C. lividus *Lam.* var. (C. Roseus, *Lam.* C. I. list.)
84. C. venulatus, *Lam.* var. (C. nivifer, *Brod.* C. I. list.)
85. C. Thalassiarchus, var.
86. C. reticulatus, *Wood.*
87. C. Regalitatis, *Nob.* Z. P. 1834. Real Llejos.
88. C. brunneus, *Wood.* (C. Diadema, C. I. list.)
89. C. monachus, var.
90, 90*. C. Proteus, test. jun. (C. Papilionaceus, test. jun. (Con. Illus. list.)
91. C. luzonicus. *Lam* ?
92 93 C. Tulipa.
94. C. Cervus.

FIG.

95. C. geographus.
96. C. bullatus.
97. C. tessellatus.
98. C. tessellatus, var.
99. C. Genuanus.
100. C. Miles.
101. C eburneus.
102. C. Quercinus.
103. C. Centurio.
104. C. Sumatrensis.
105. C. Barbadensis.
106. C. Colubrinus.
107. C. Guinaicus.
108. C. cingulatus, *Tank. Cat.* Adamsonii. *Gray.*
109. C. achatinus.
110. C. aurisiacus.
111. C. Præfectus.
112. C. floccatus, *Nob.* Z. P. 1841. (C. Dux C. I. list.) This shell is much broader, less distinctly striated, and more solid than the true C. Dux. of Lamarck and it is sprinkled with flakes of white.
113. C. Generalis, *Lam.*
114. C. maldivus, *Lam.*
115. C. Omaicus.
116 & 117. C. Nobilis & var.
118, 119. C. Monile.
120, 120*. C. marmoreus.
121. C. Bandanus. *Lam.*
122, 123. C. nocturnus, *Lam.*
124. C. Nicobaricus, *Lam.*
125, 126. C. araneosus, *Lam.*
127. C. Zonatus, *Lam.*
128, 129. C. Imperialis, *Lam.*
130, 131. C. fuscatus, *Lam.*
132. C. viridulus, *Lam.*
133, 4, 5. C. Capitaneus.
136. C. Mustelinus.
137. C. Rattus

Cypræa.

G.B.S.Jun. exc.



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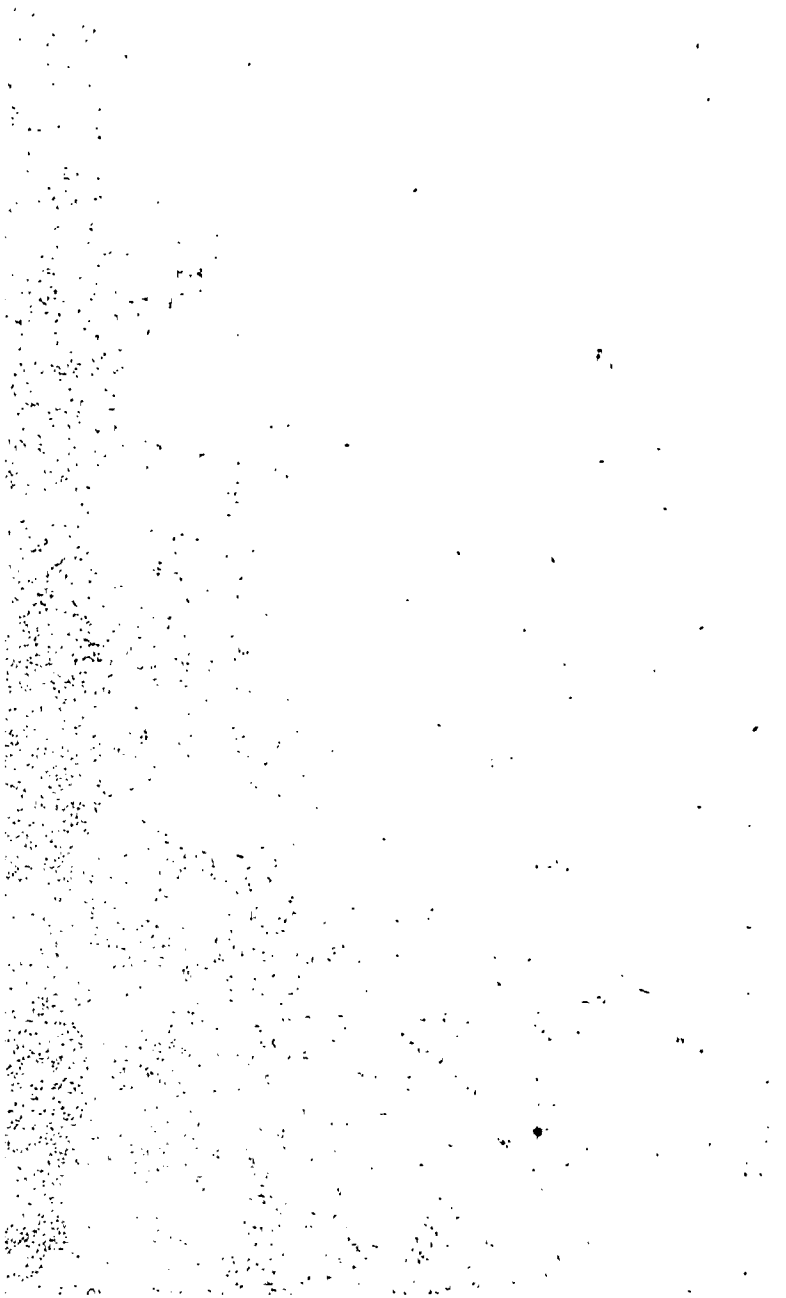
LIBRARY OF THE MUSEUM OF COMPARATIVE ZOOLOGY AT HARVARD COLLEGE



Cypræa.

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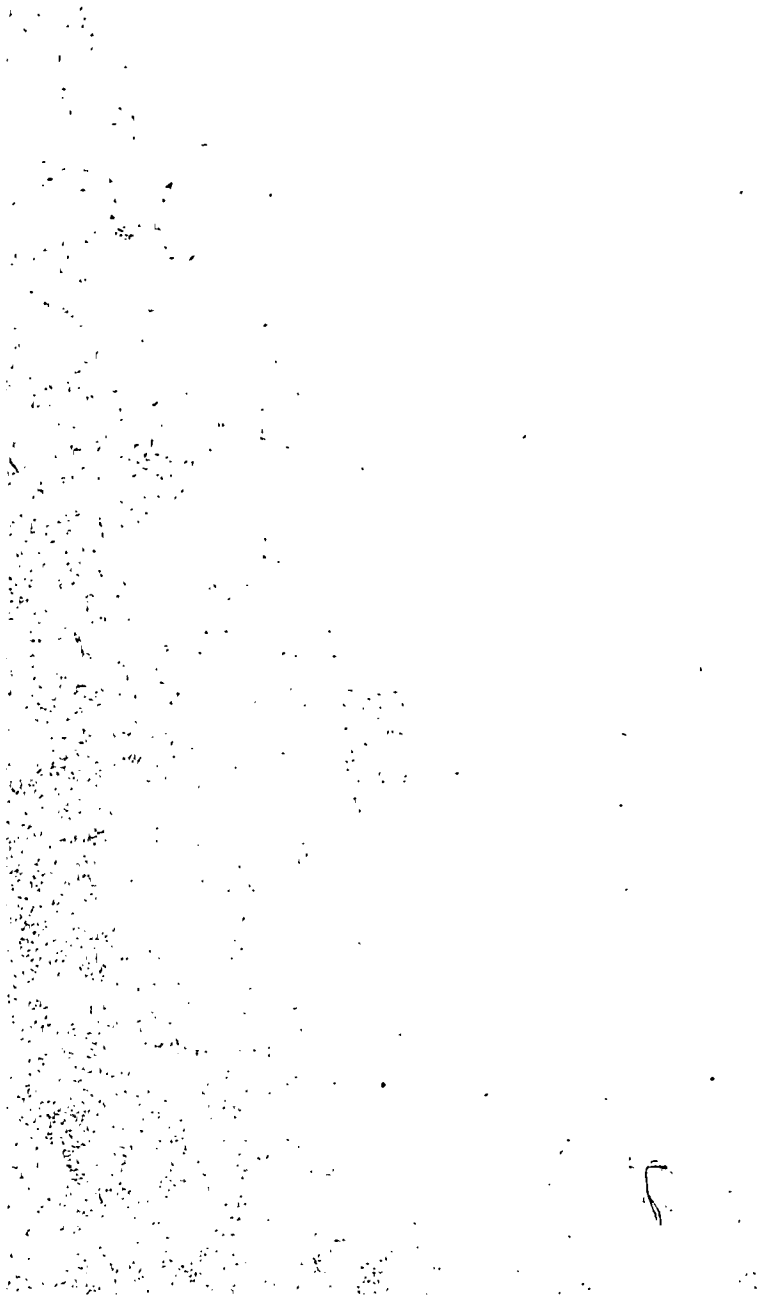

Cypræa.

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BIBLIOTECA CENTRALE

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G.B.S. jun. ad.

Cypræa.

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G.B.S. jun. exc.

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G.B.S. jun. exc.

Cancellaria.

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G.B.S jun. exc.

Cancellaria.

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G.B.S jun. exc.

Cancellaria.

Cancellaria.

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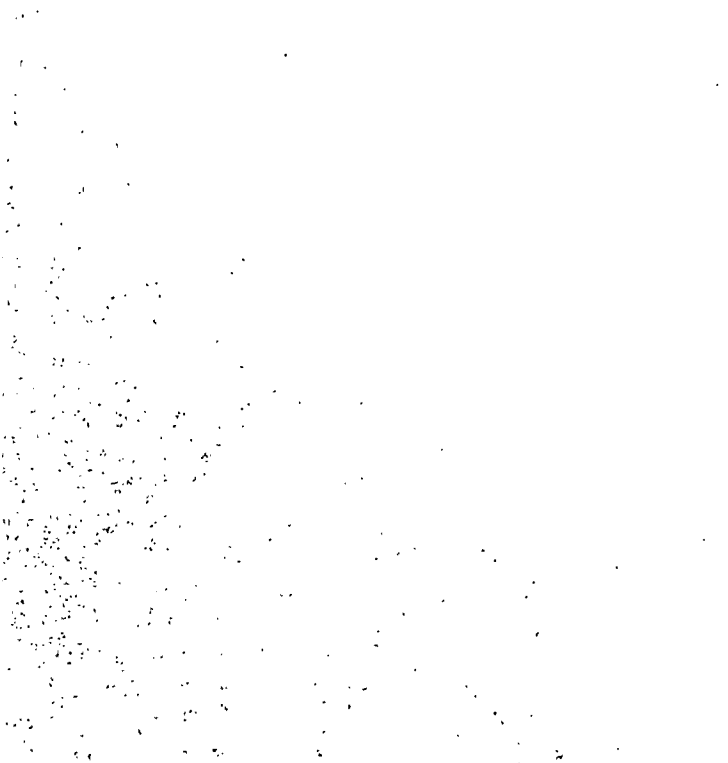
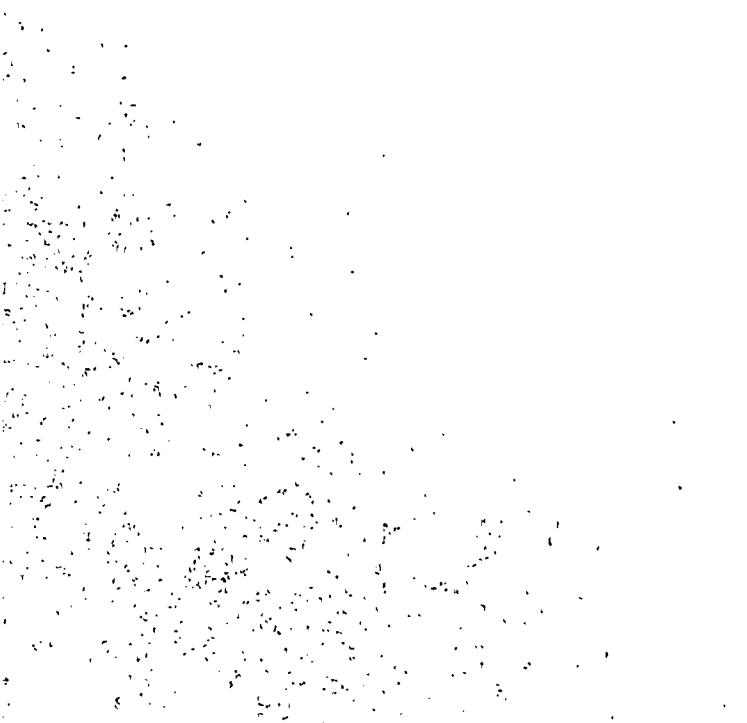


Nucula.

G.B.S. Jun. exc.



ROYAL ASIATIC LIBRARY OF THE BOMBAY BRANCH OF THE ASIATIC

Nucula.

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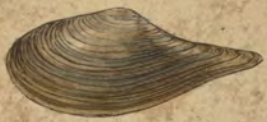
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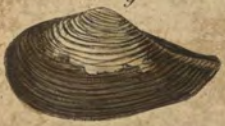
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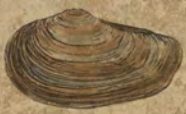
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Nucula.

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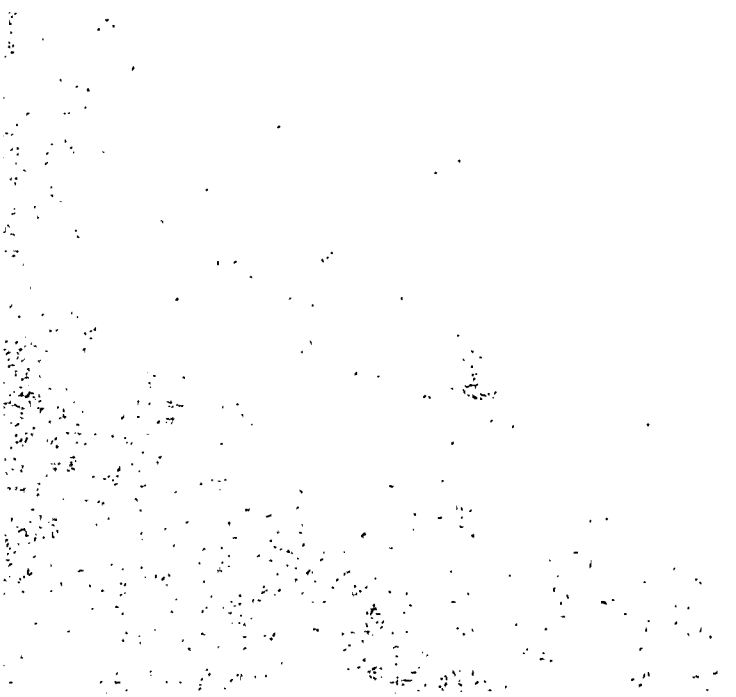
G.B.S.jun. exc.



Amphidesma.

G.B.S. jun. exc.

Amphidesma

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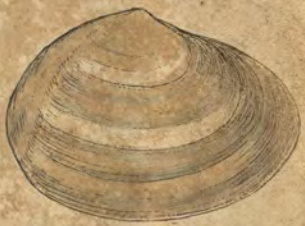

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Amphidesma

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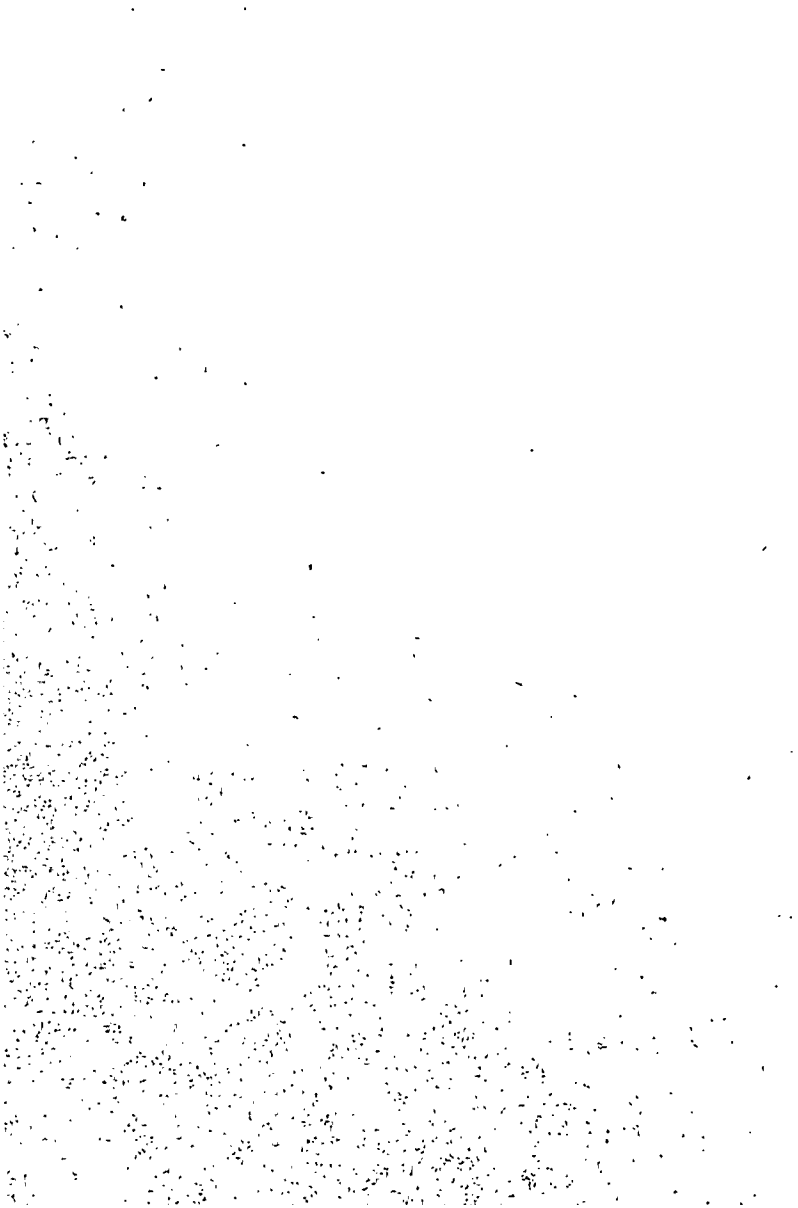

BRITISH MUSEUM (NATURAL HISTORY)

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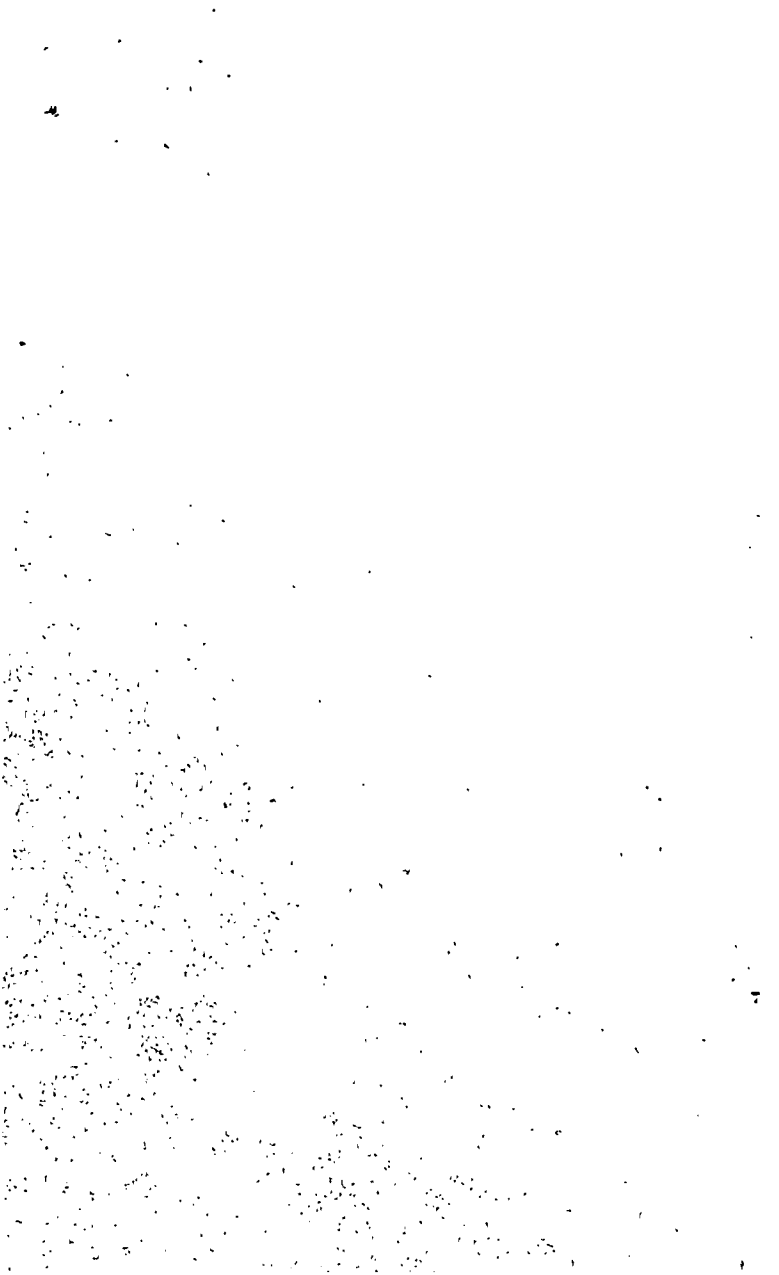

Bulinus

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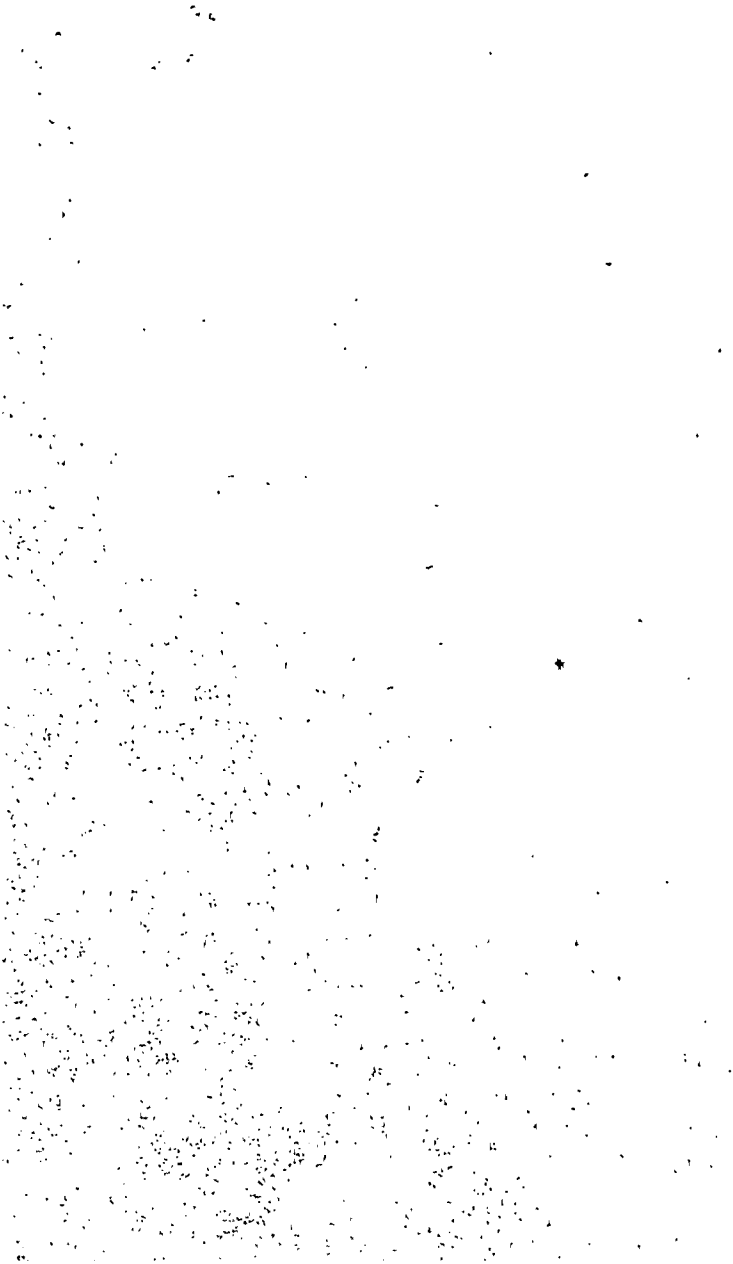

Bulinus

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Conus.

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G.B.S. jun. exc.

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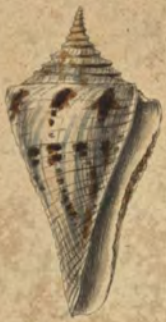

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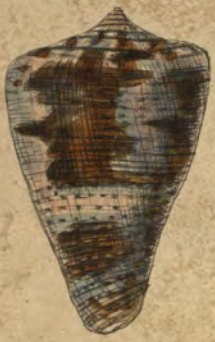

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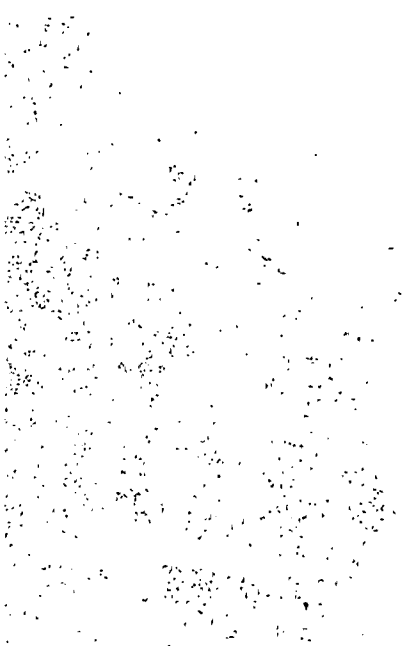
G.B.S. jun. exc.



Bulinus.

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14a.

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Bulimus.

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C.B.S. jun. exc.

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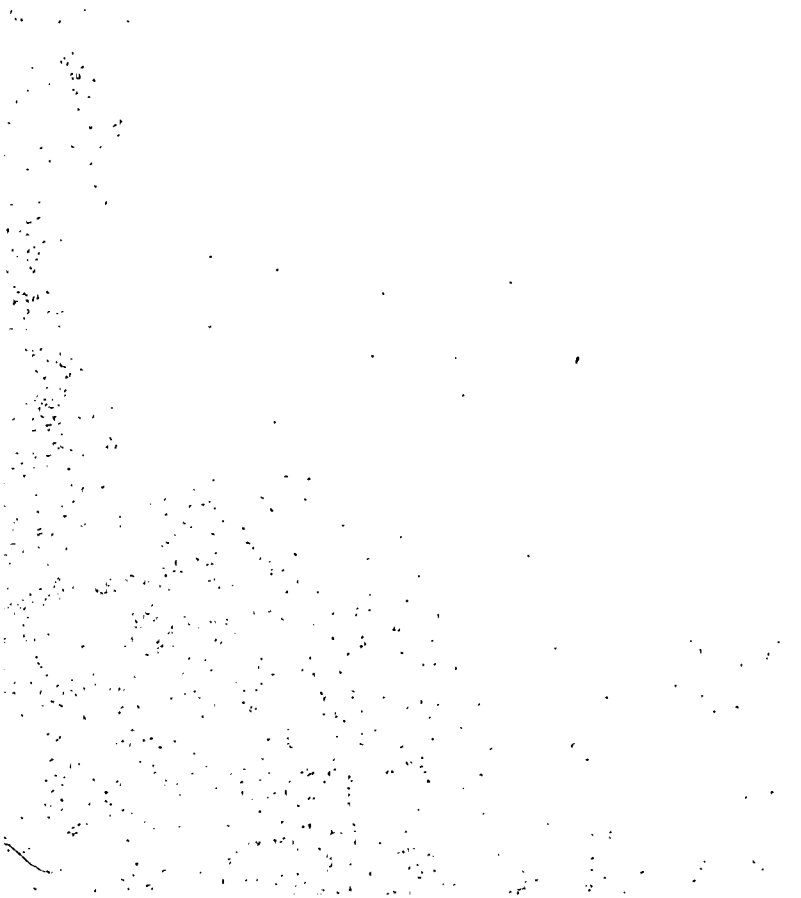

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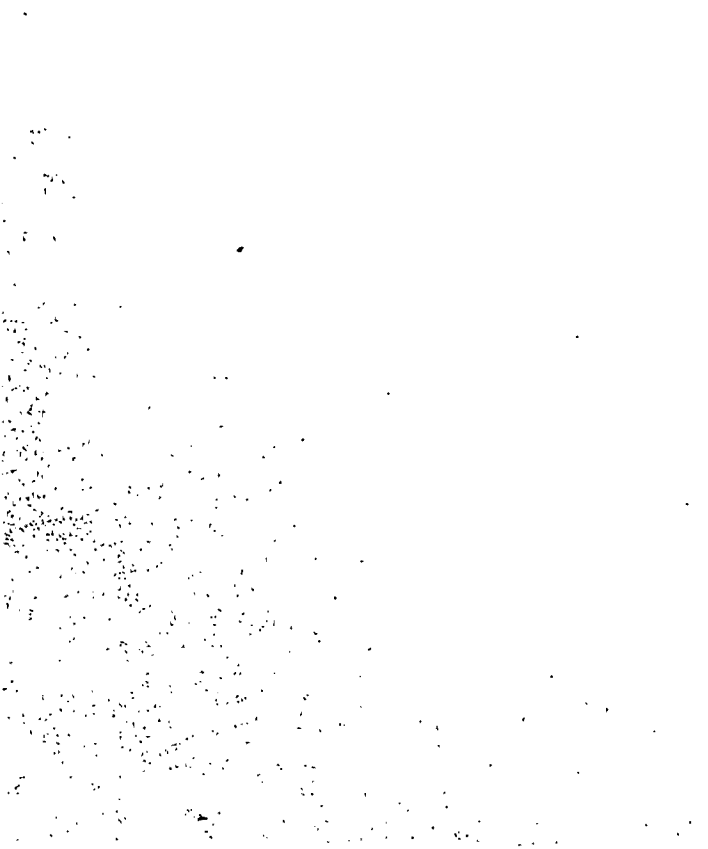
G.B.S. jun. exc.



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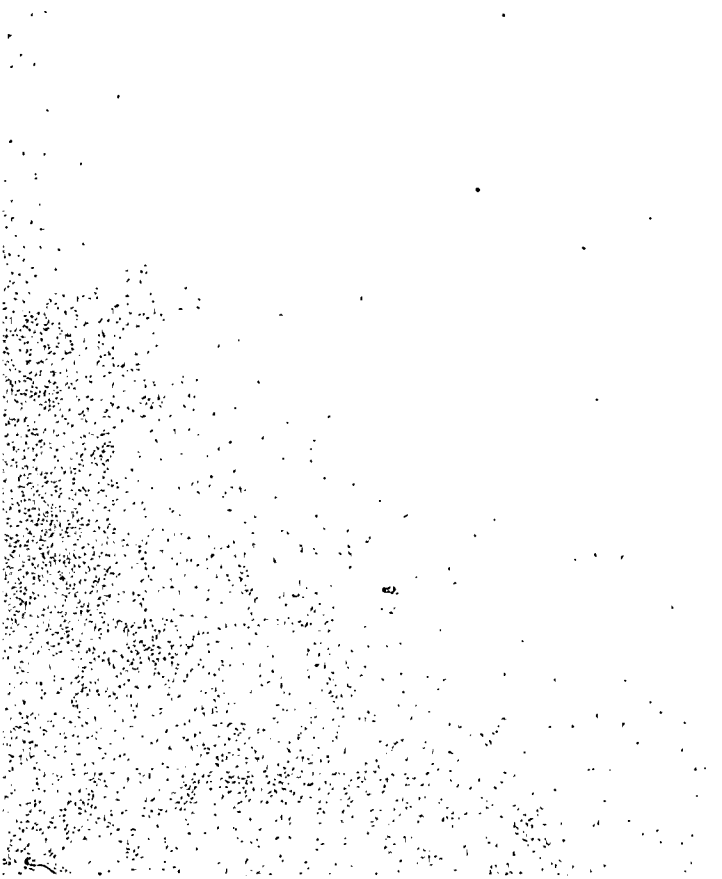
G.B.S.jun.exc.



Bulimus.

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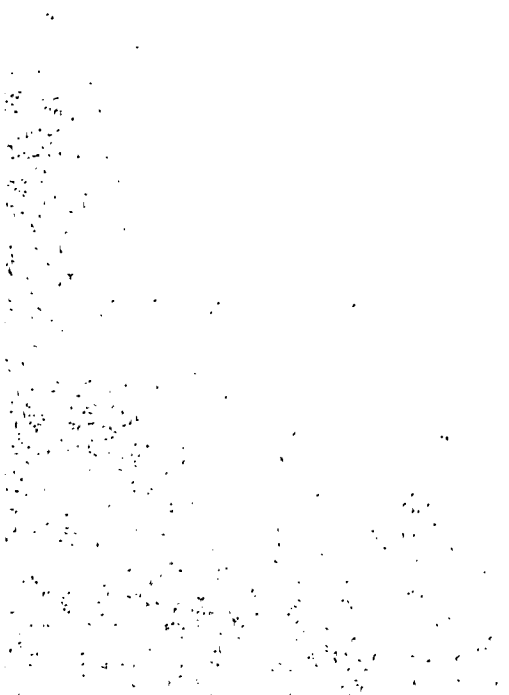
G.B.S. jun. exc.



Conus.

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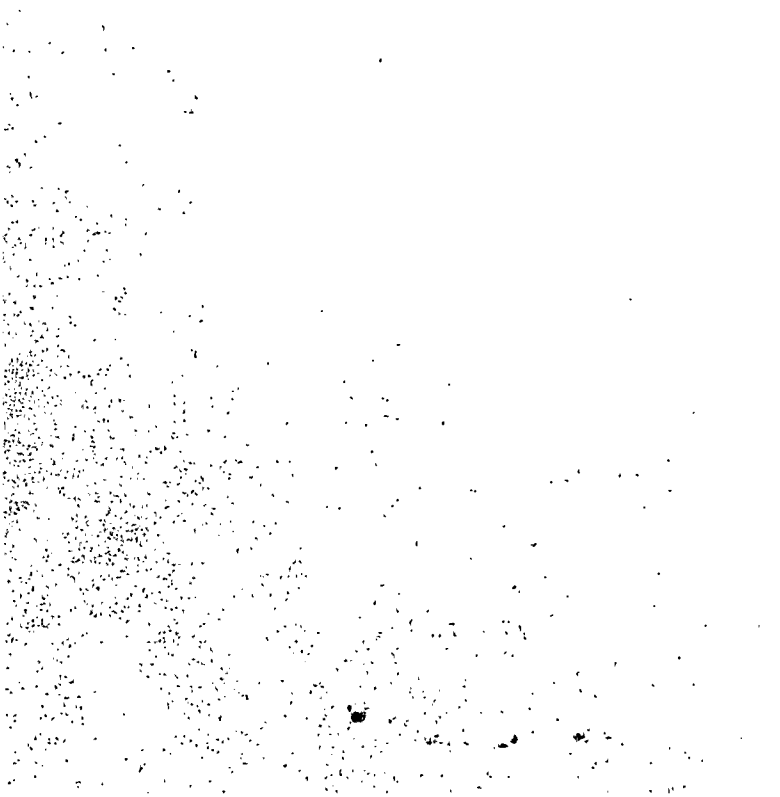
G.B.S. jun. exc.



Conus.

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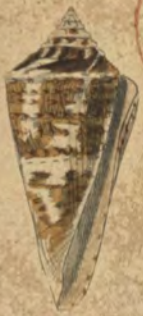

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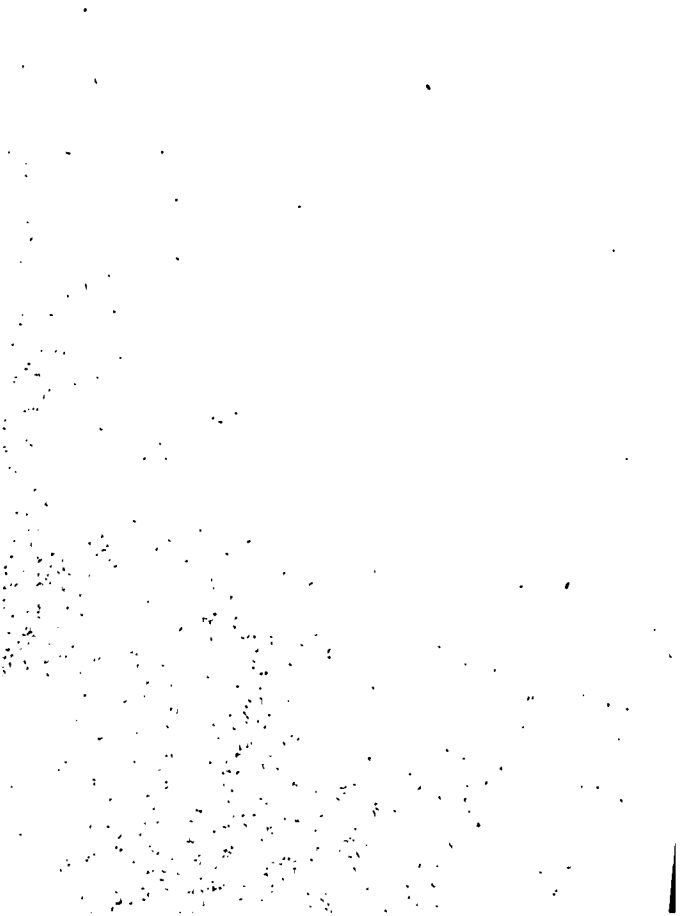

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G.B.S jun. exc.

LIBRARY OF THE BOMBAY BRANCH OF THE ASIATIC SOCIETY

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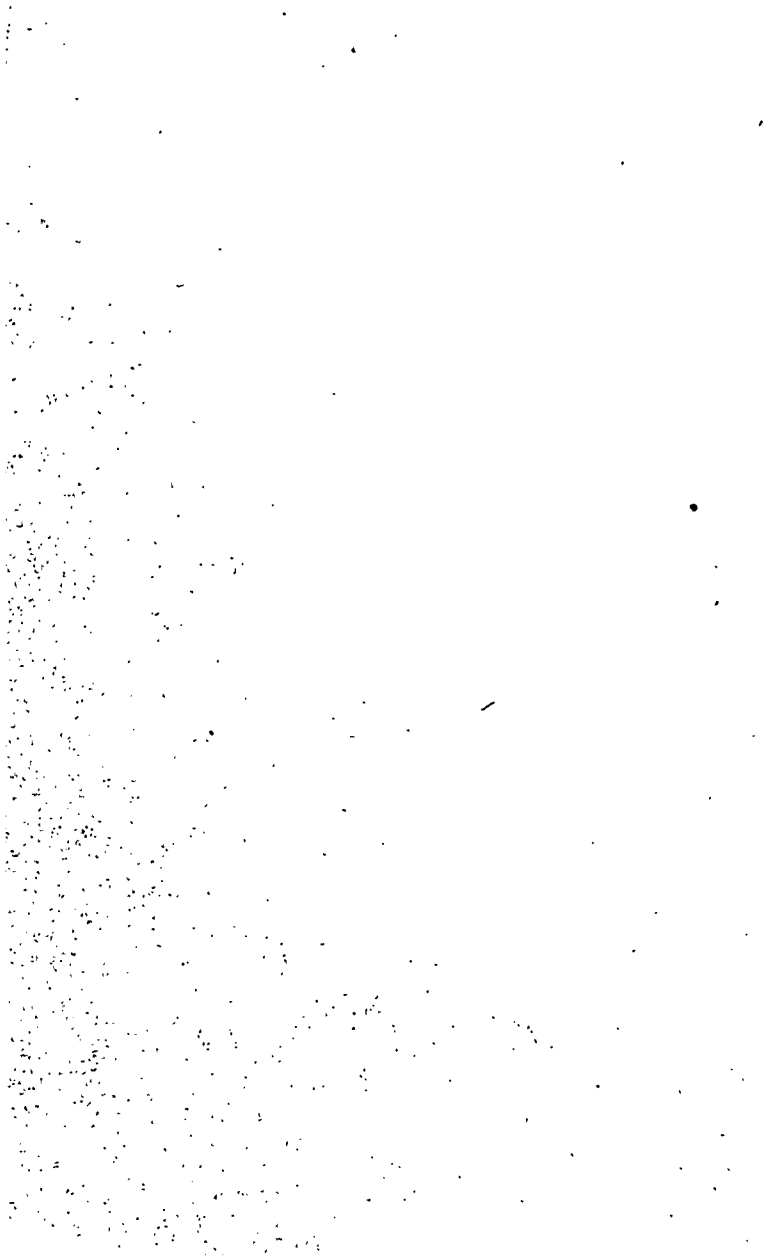

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Conus.

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G.B.S jun. exc.

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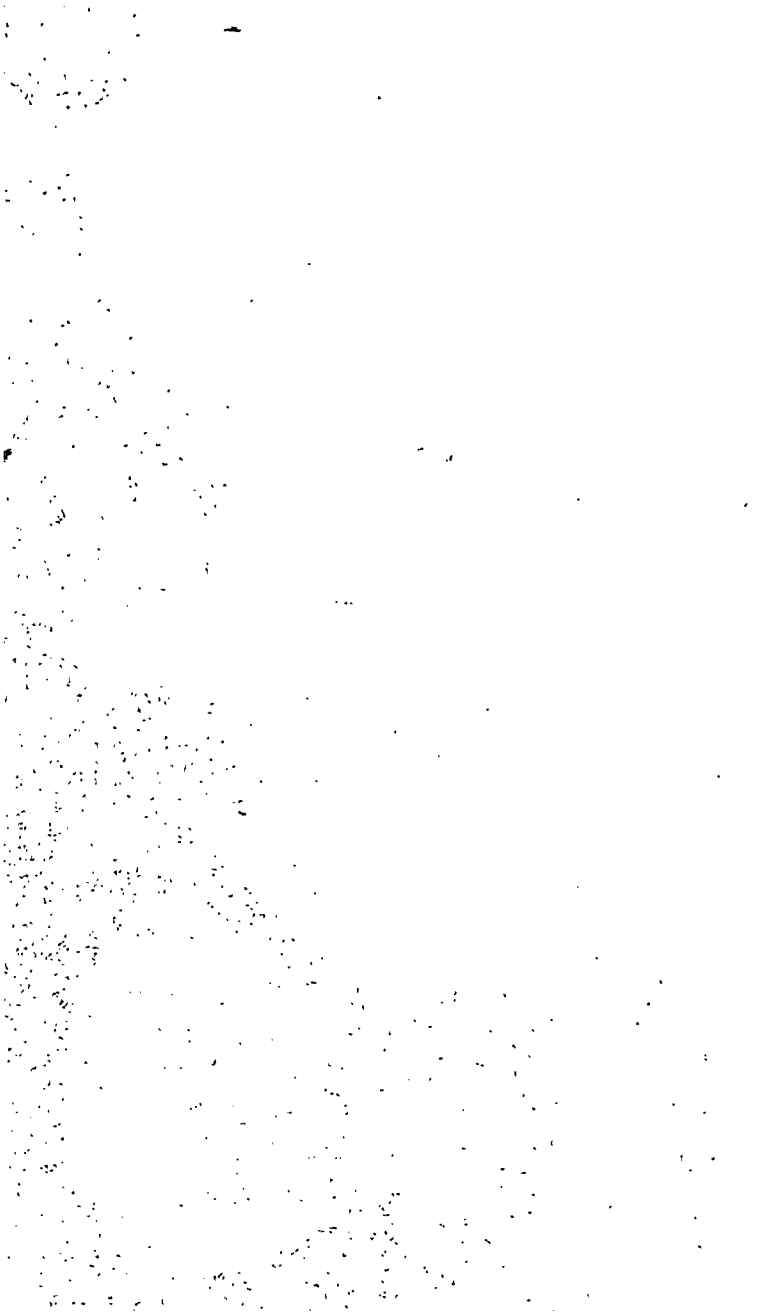

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Claton.

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G.B.S. jun. exc.

Chiton.

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G.B.S.jun.exc.

Chiton.

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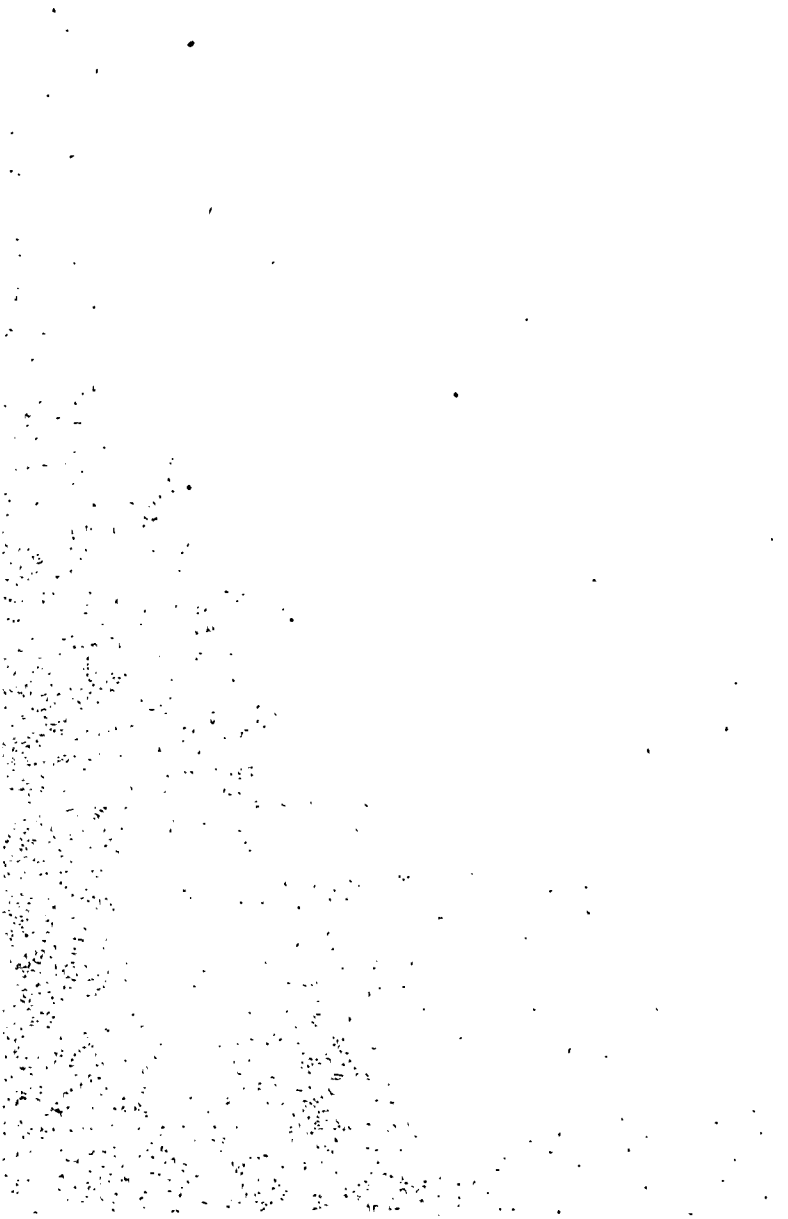
G.B.S.jun.exc.



Chiton.

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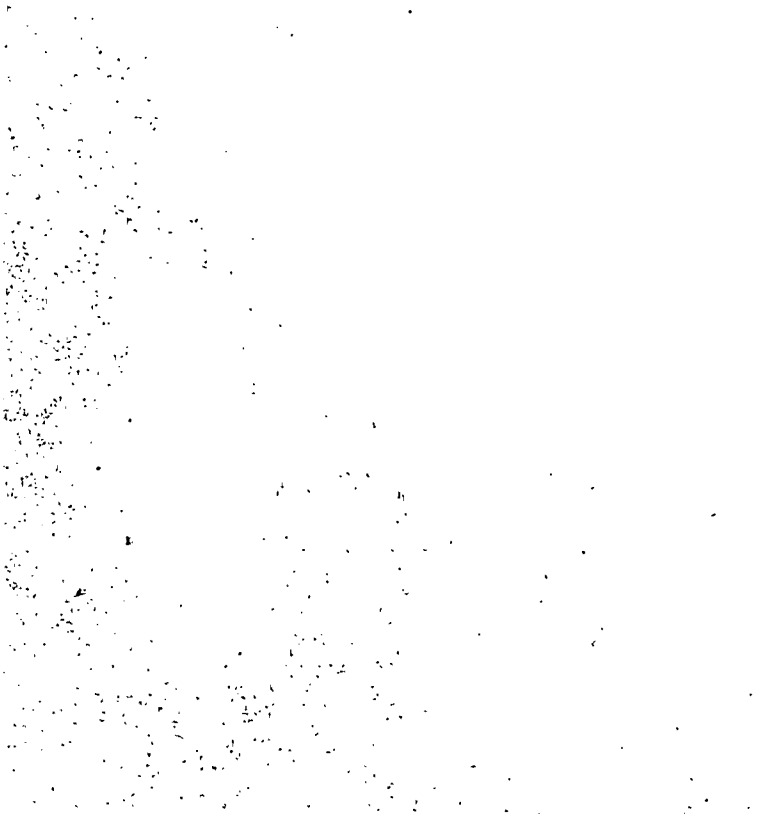

Chiton.

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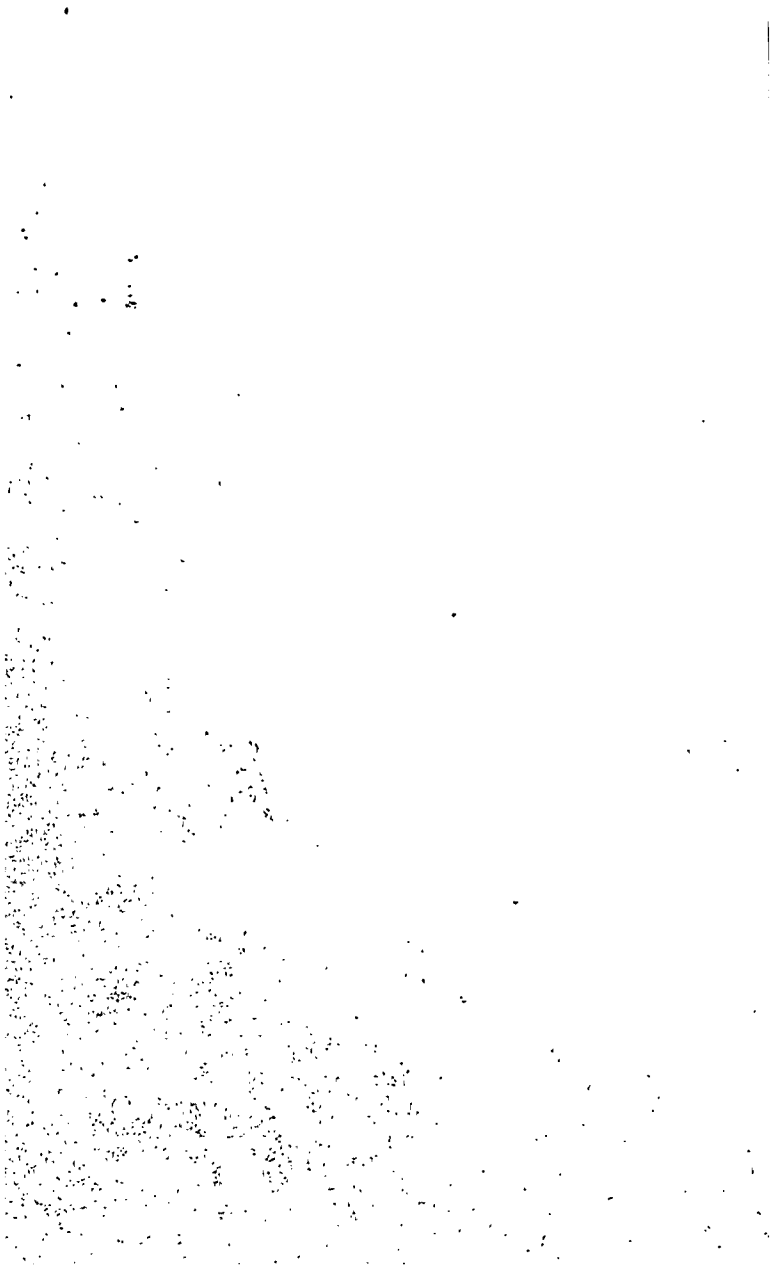

Cardium.

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LIBRARY
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G.B.S.jun. exc.

Cardium.

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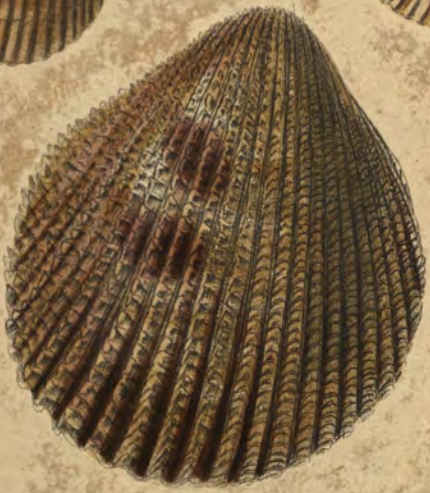

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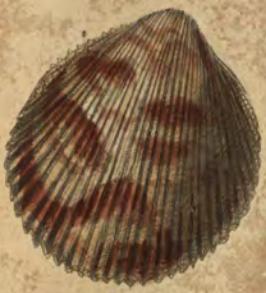

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G.B.S.jun. exc.

Cardium.

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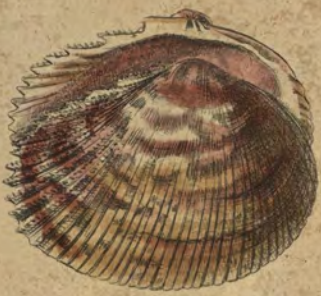

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G.B.S. jun. del.

Cardium.

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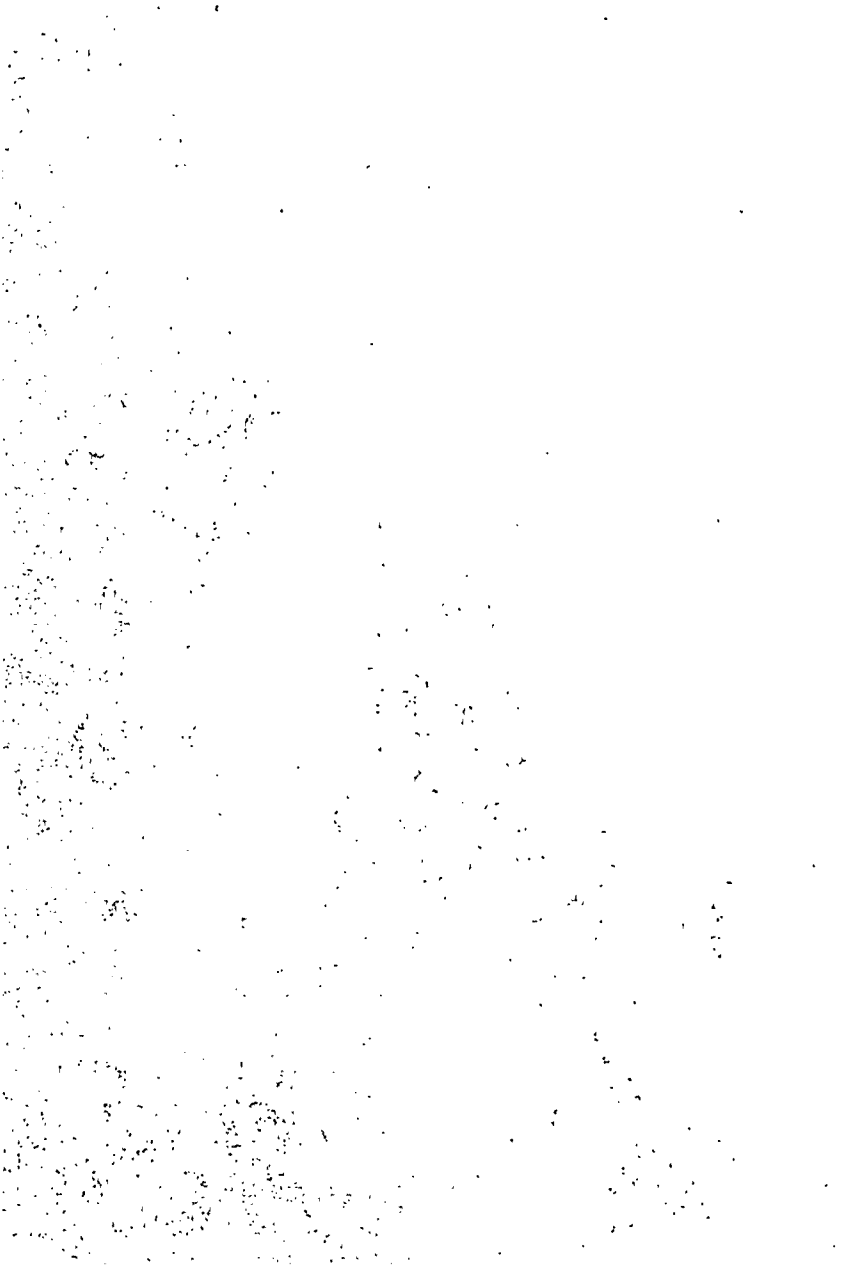
G.B.S.jun.exc



ROYAL ASIATIC SOCIETY
BOMBAY BRANCH
LIBRARY

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G.B.S. jun. exc.

Cardium.

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G.B.S. jun. exc.

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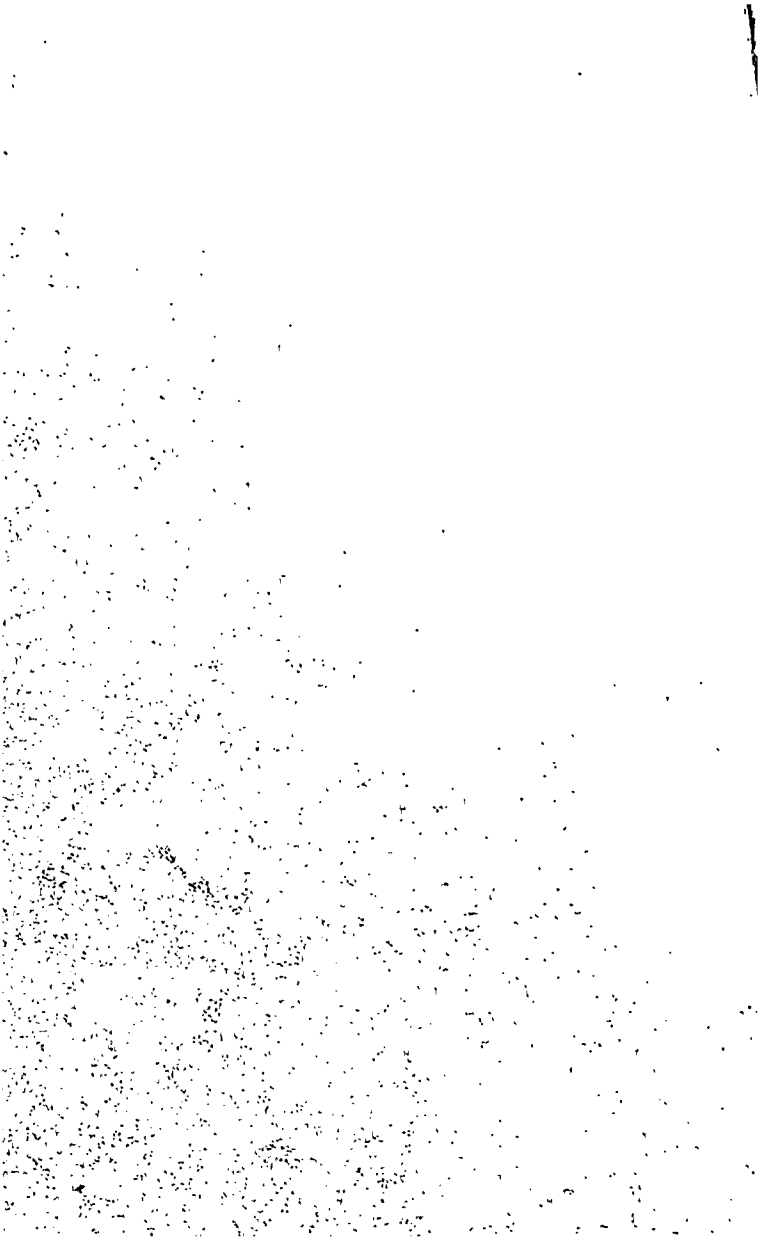

ROYAL ASIATIC

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Conus

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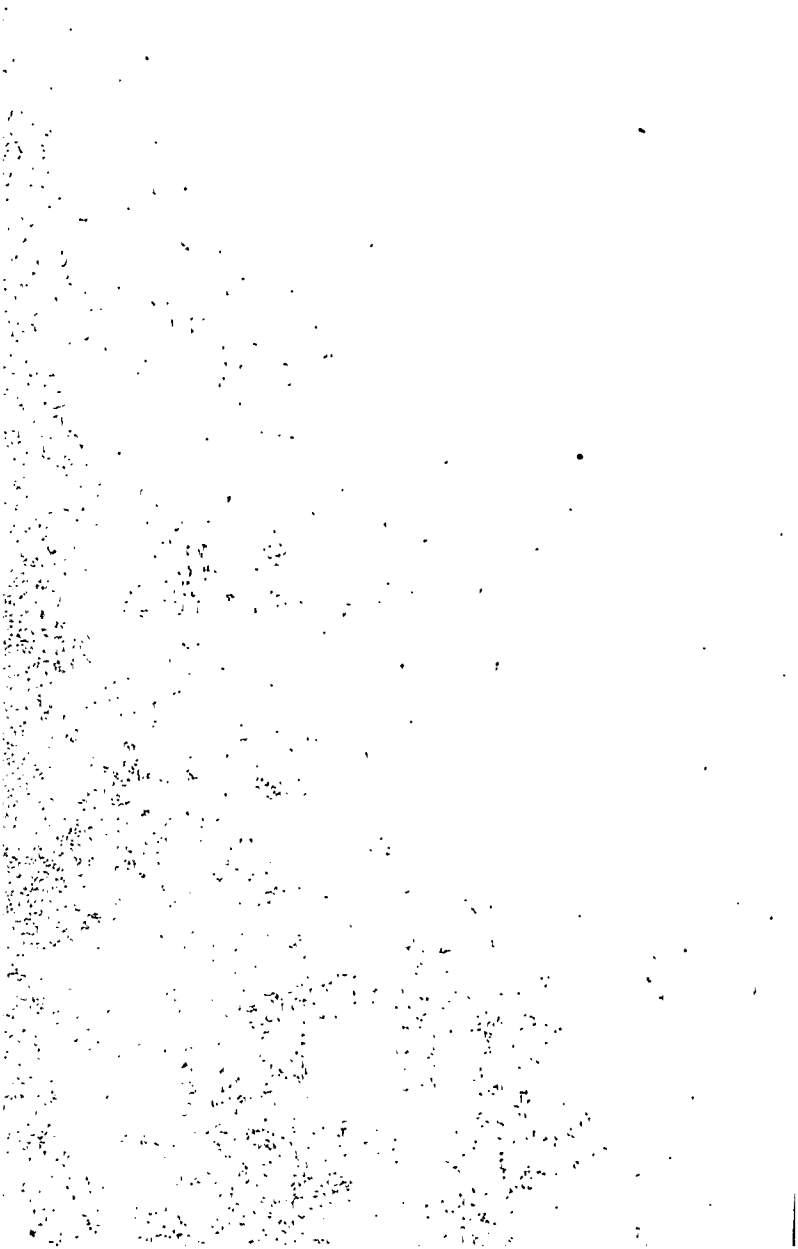
G.B.S. Jun.r Ex.



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Conus.

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Conus.

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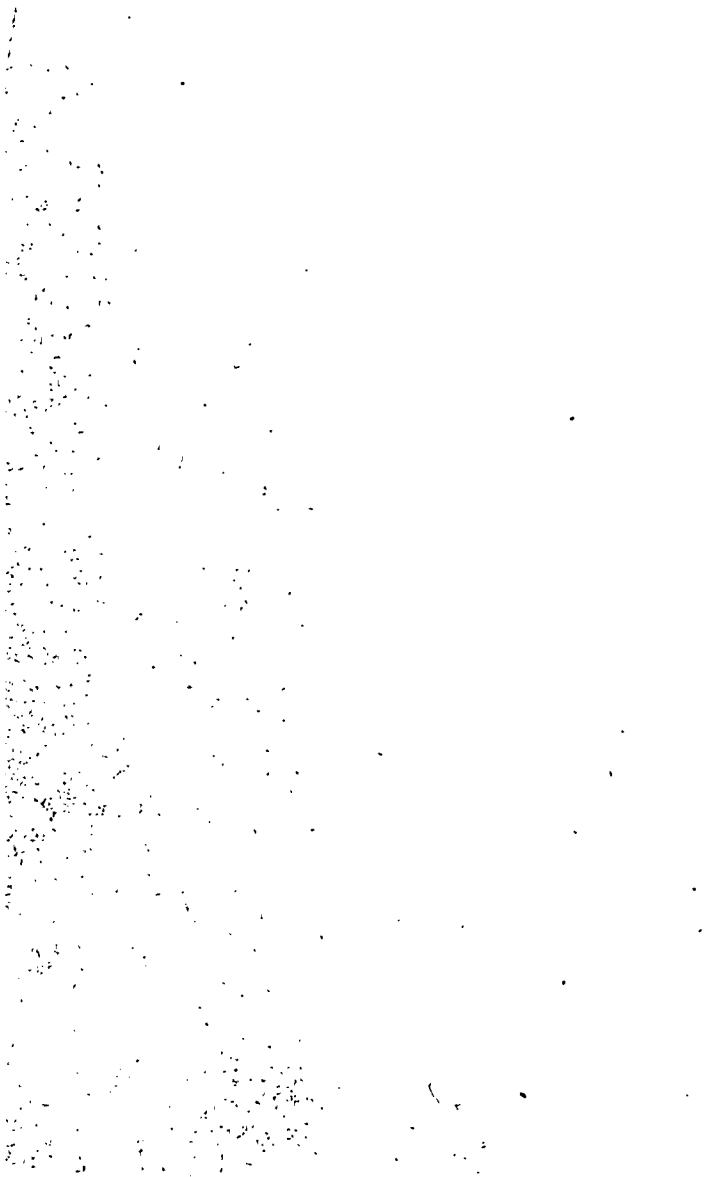
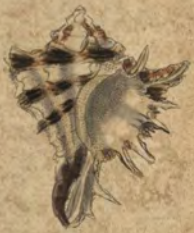


Murex.

ROYAL ASIATIC SOCIETY



Murex

ROYAL ASIATIC SOCIETY

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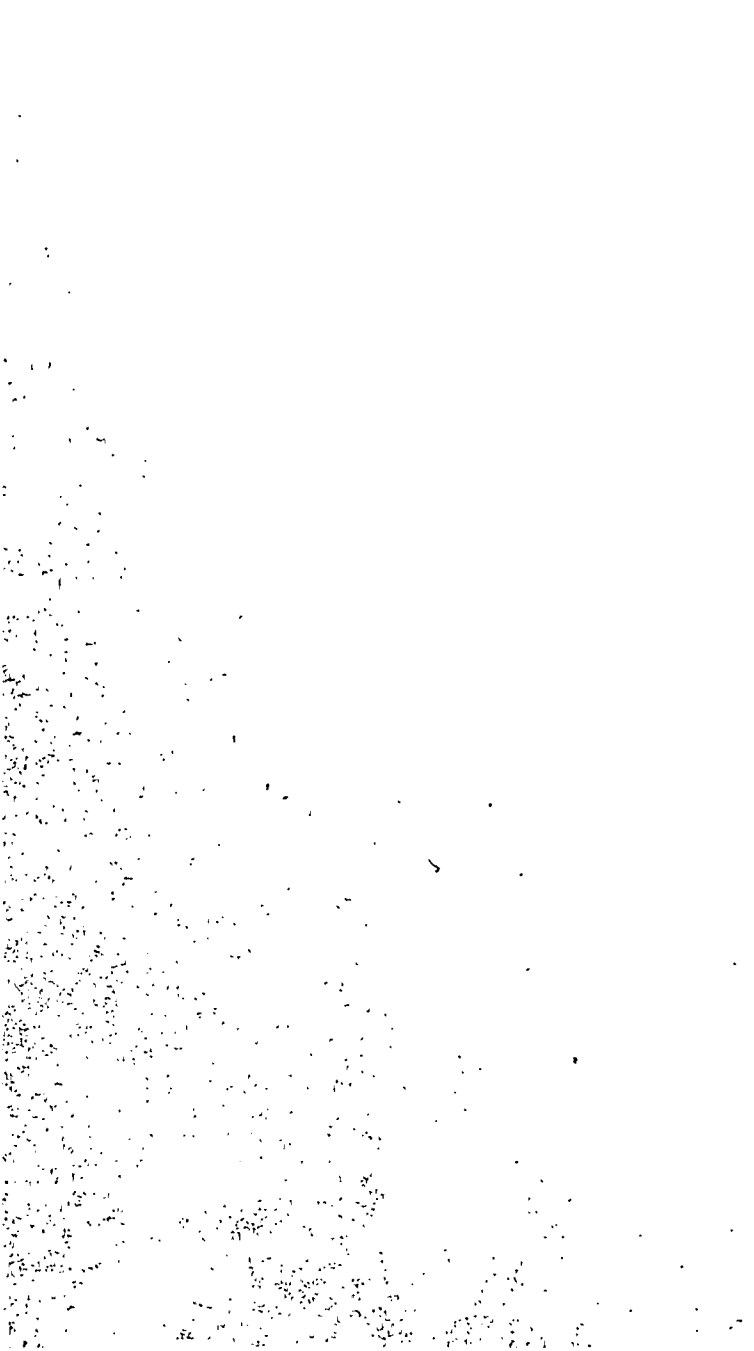

Murex.

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G.B.S jun. exc.

ROYAL ASIATIC SOCIETY

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Murex.

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G.B.S.jun.exc.

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G.B.S. jun. exc.

Murex.

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G.B.S. jun. exc.

Murex.

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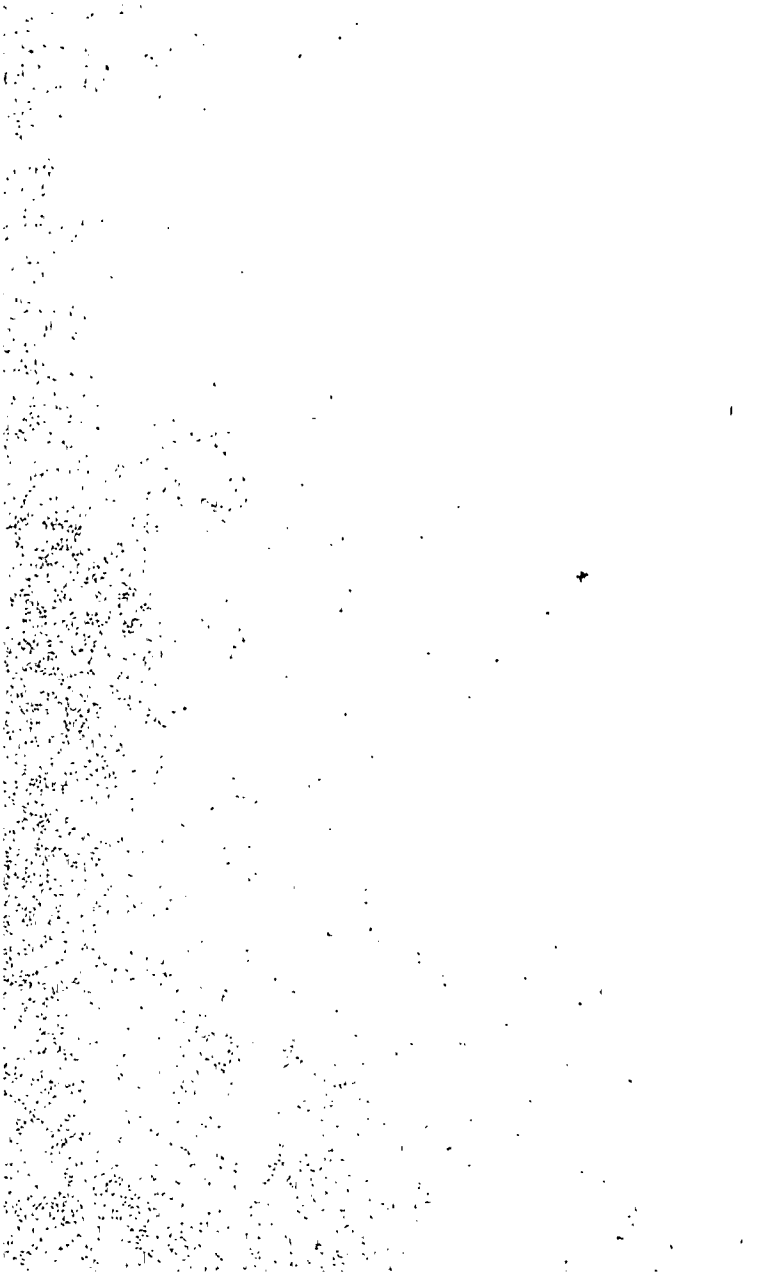
G.B.S. jun. exc.



Murex.

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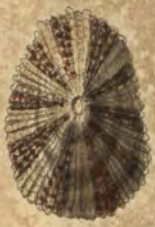

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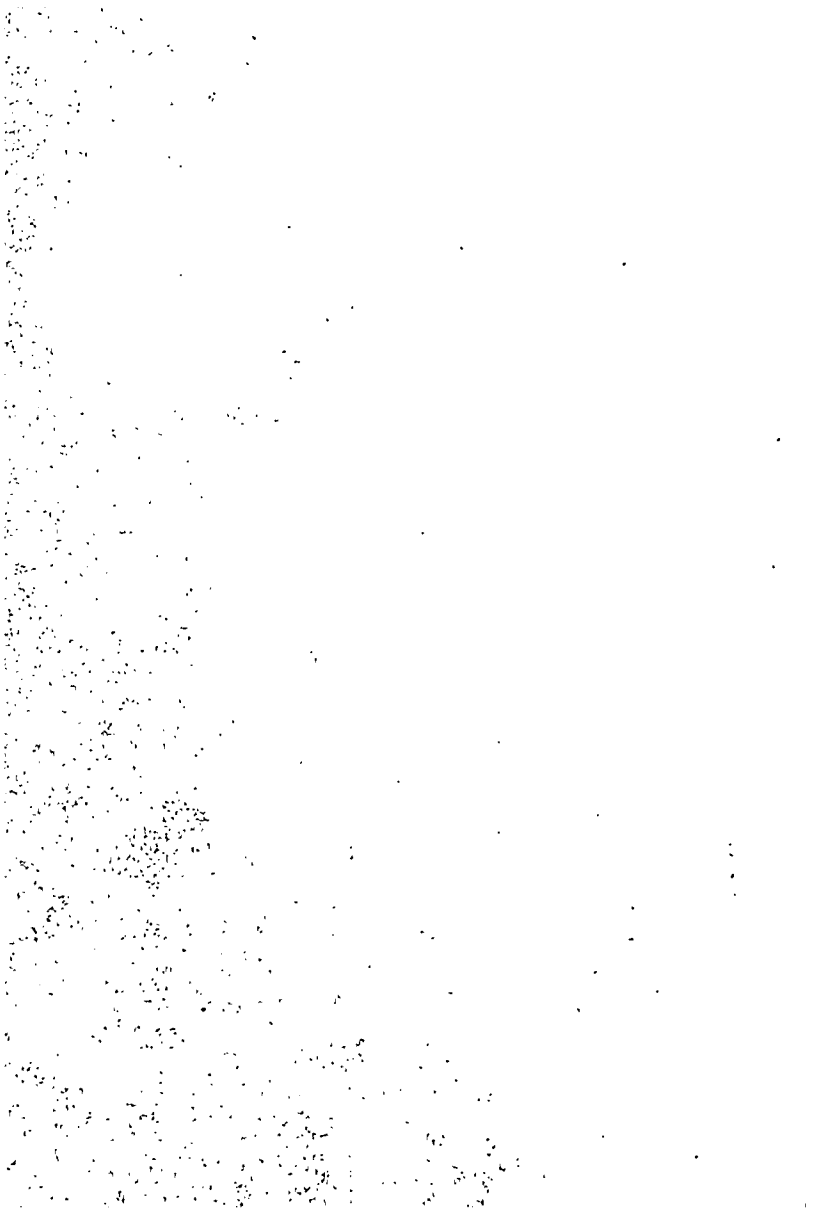

Fissurella.

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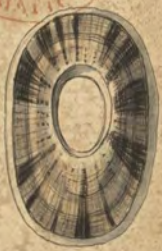

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G.B.S. jun. exc.

Fissurella.

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G.B.S. jun. exc.

LIBRARY

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G.B.S. jun. exc.

Fissurella.

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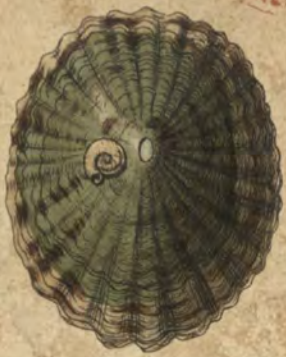

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G.B.S. jun. exc.

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G.B.Sowerby jun. exc.

Fissurella.

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G. [illegible] m.exc.

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G.B.S. fin. exc.

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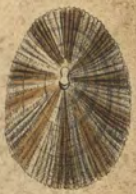

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G.B.S.jun.exc.

LIBRARY OF THE BOMBAY BRANCH OF THE ASIATIC SOCIETY

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G.B.S. jun. exc.

Fissurella.

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G.B.S. jun. exc.

Monoceros

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GB.S.jun.exc.

ROYAL ... BRANCH OF THE ROMEAN ... DUTCH ... ARMY

Fissurella

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G.B.S. Jan. exc.

ROYAL ASIATIC SOCIETY — LIBRARY OF THE BOMBAY BRANCH OF THE

Monoceros

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G.B.S. fec.

Monoceros.

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G.B.S. jun. exc.

Monoceros.

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C.B.S. jun. exc.

Ranella.

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Ranella.

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LIBRARY

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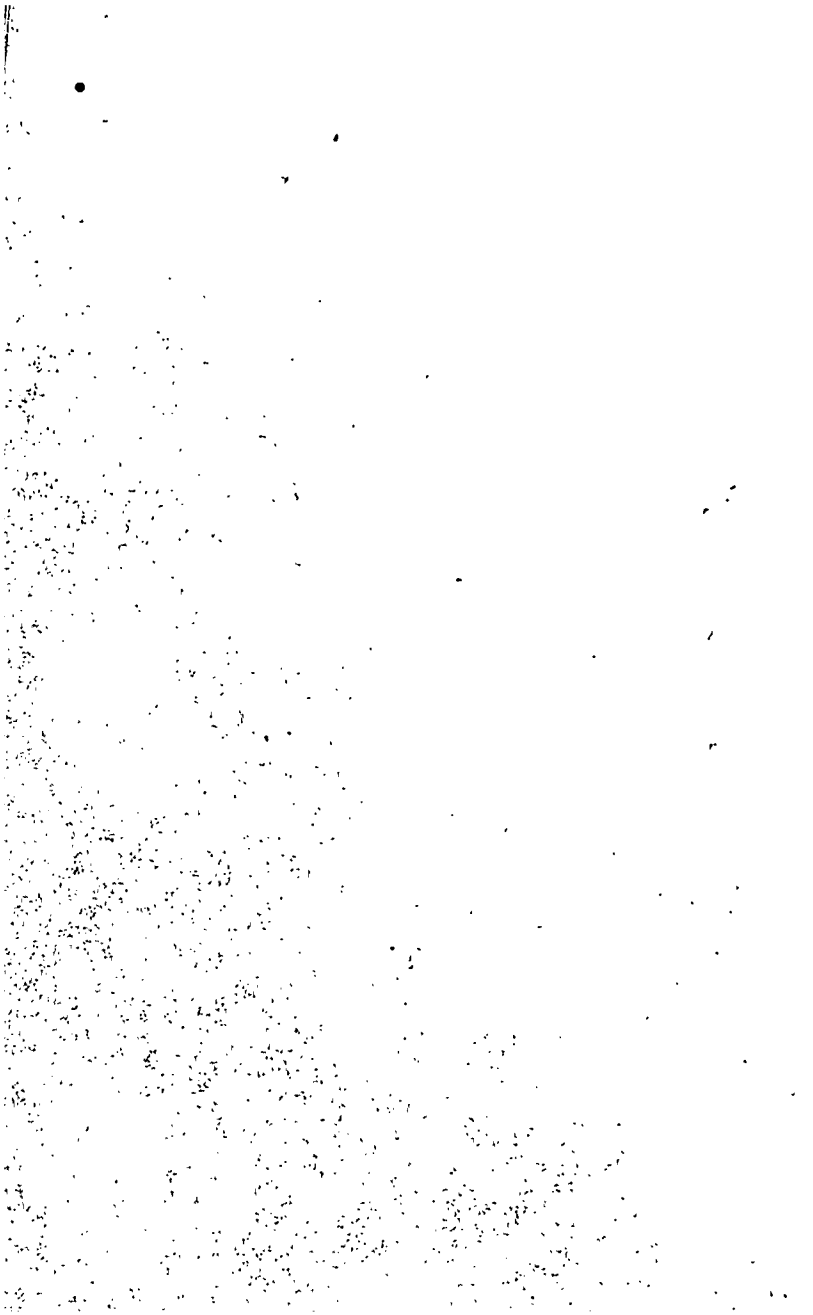

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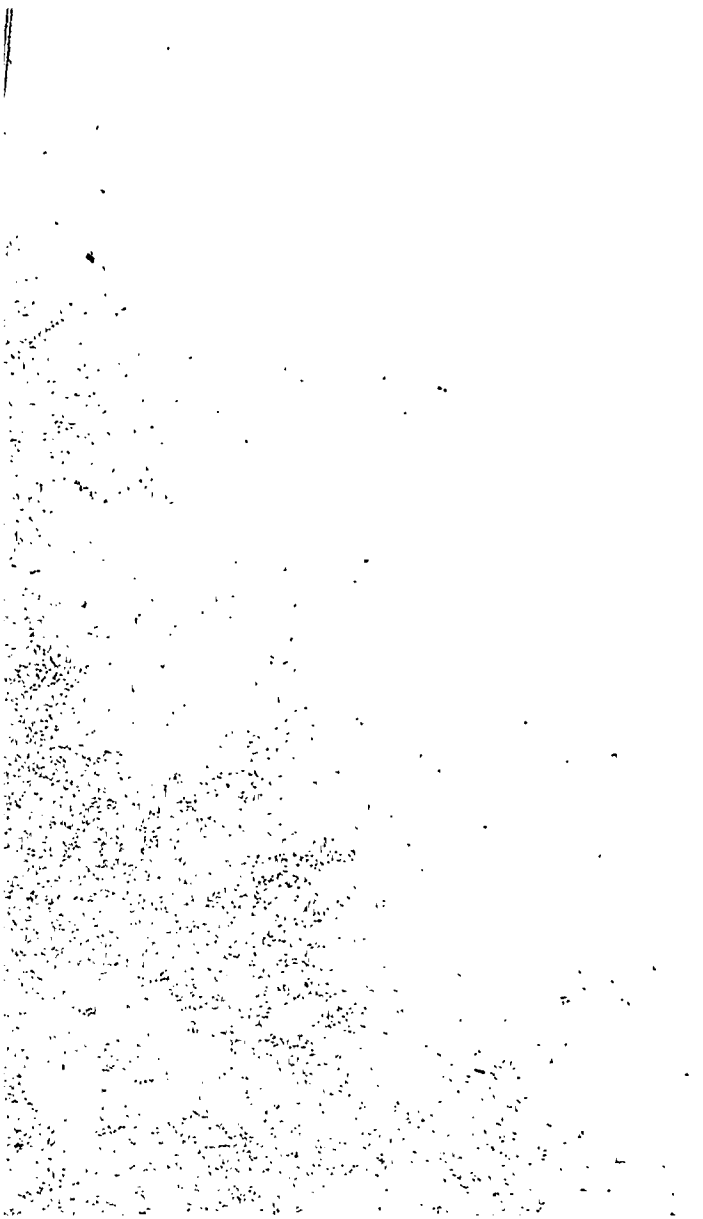

Neritina.

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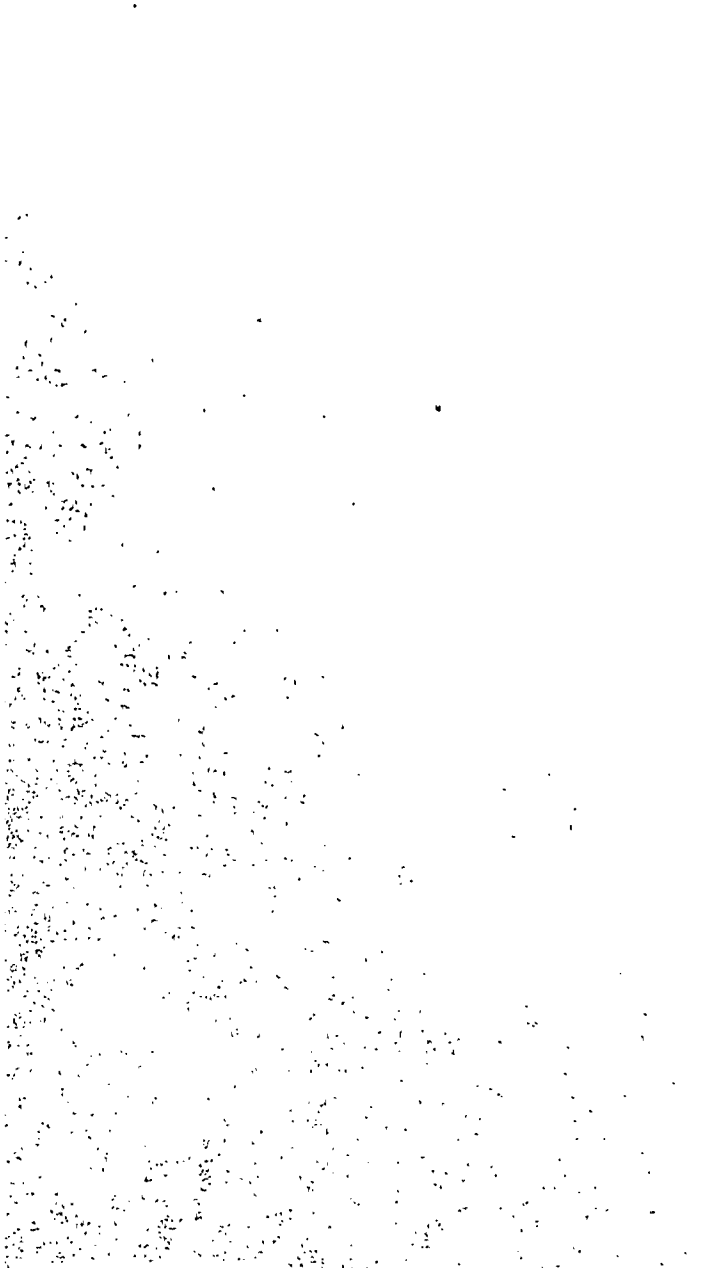

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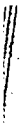

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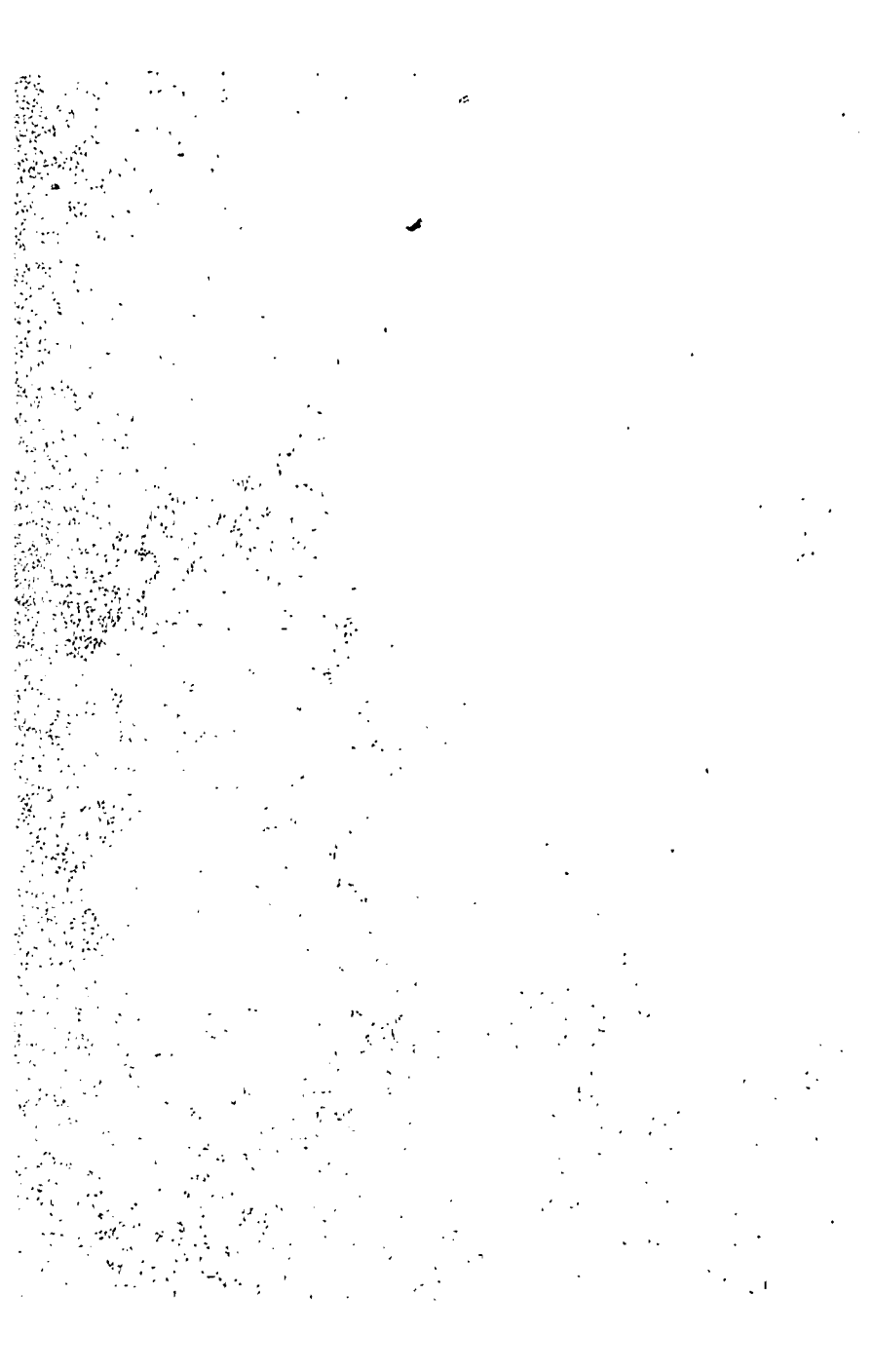

Neritina

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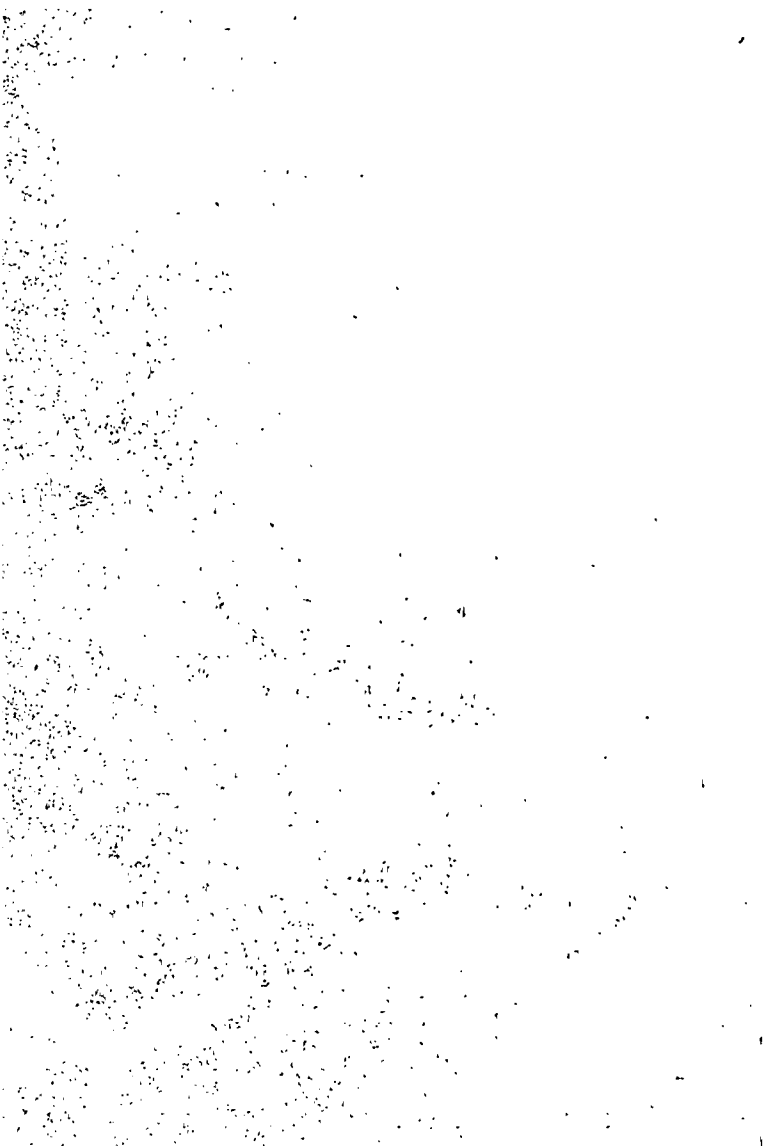
G.B.S. Jun. exc.



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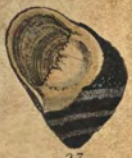

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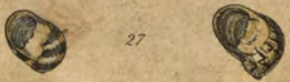

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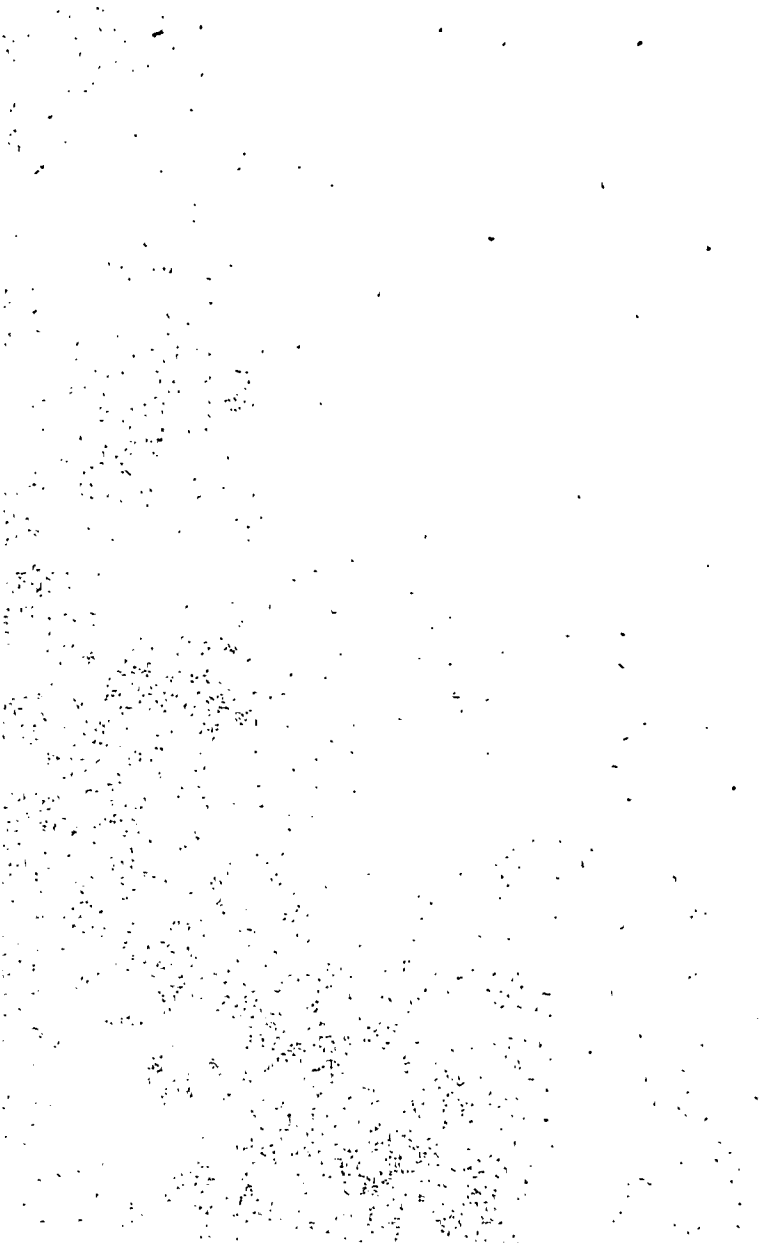
G.B.S. Jun. ex



Neritina

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G. B. S. jun. exc.

Neritina

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G.B.S. jun. exc.

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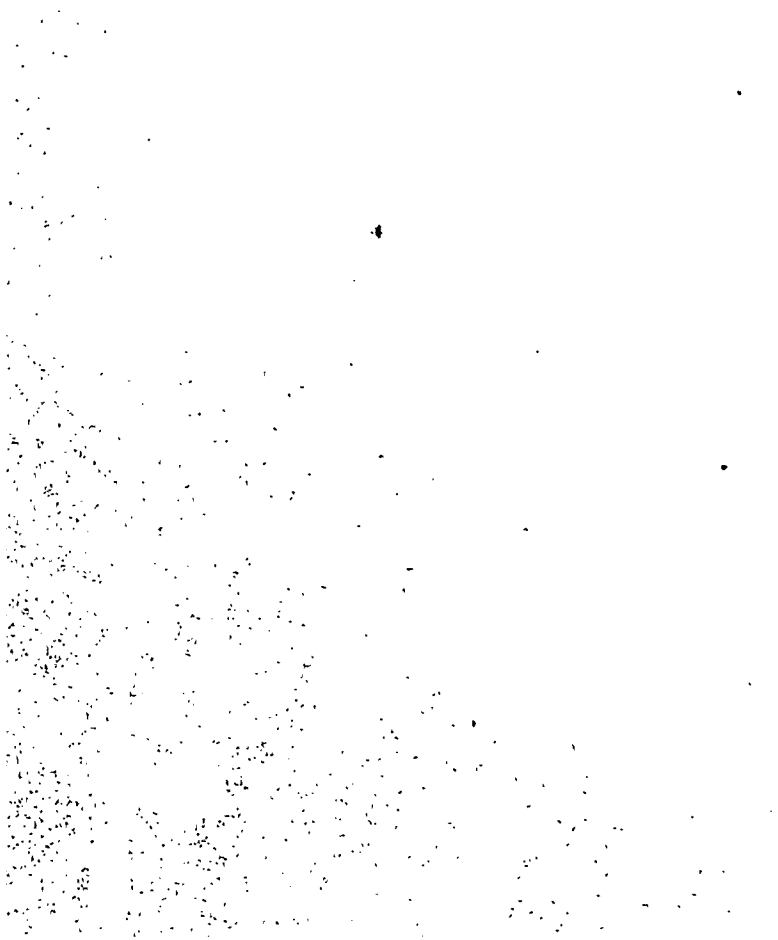

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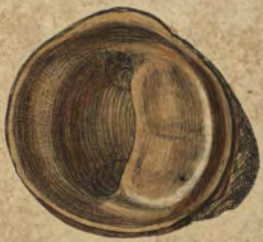
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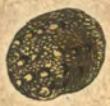
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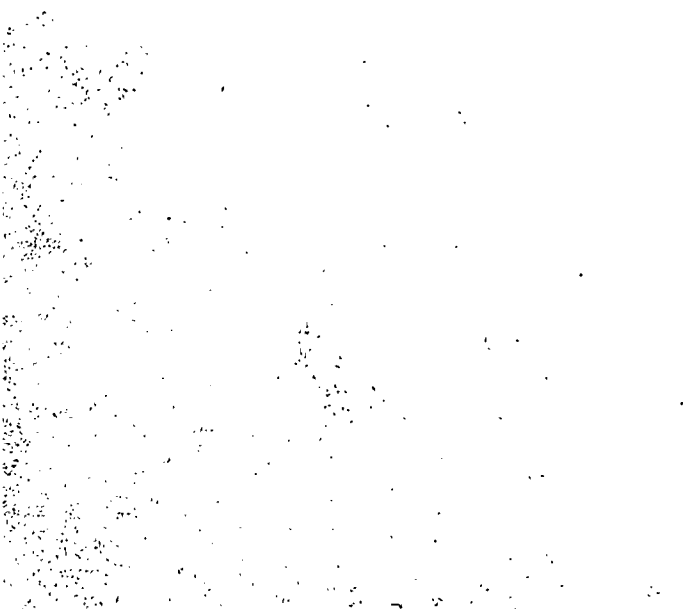

Cypræa.

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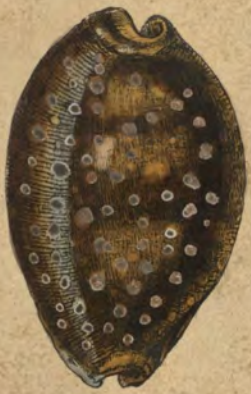

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G.B.S. jun.exc.

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G.B.S. jun. exc.

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G.B.S. junior.

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G.B.S. jun. exc.

Cypraea.

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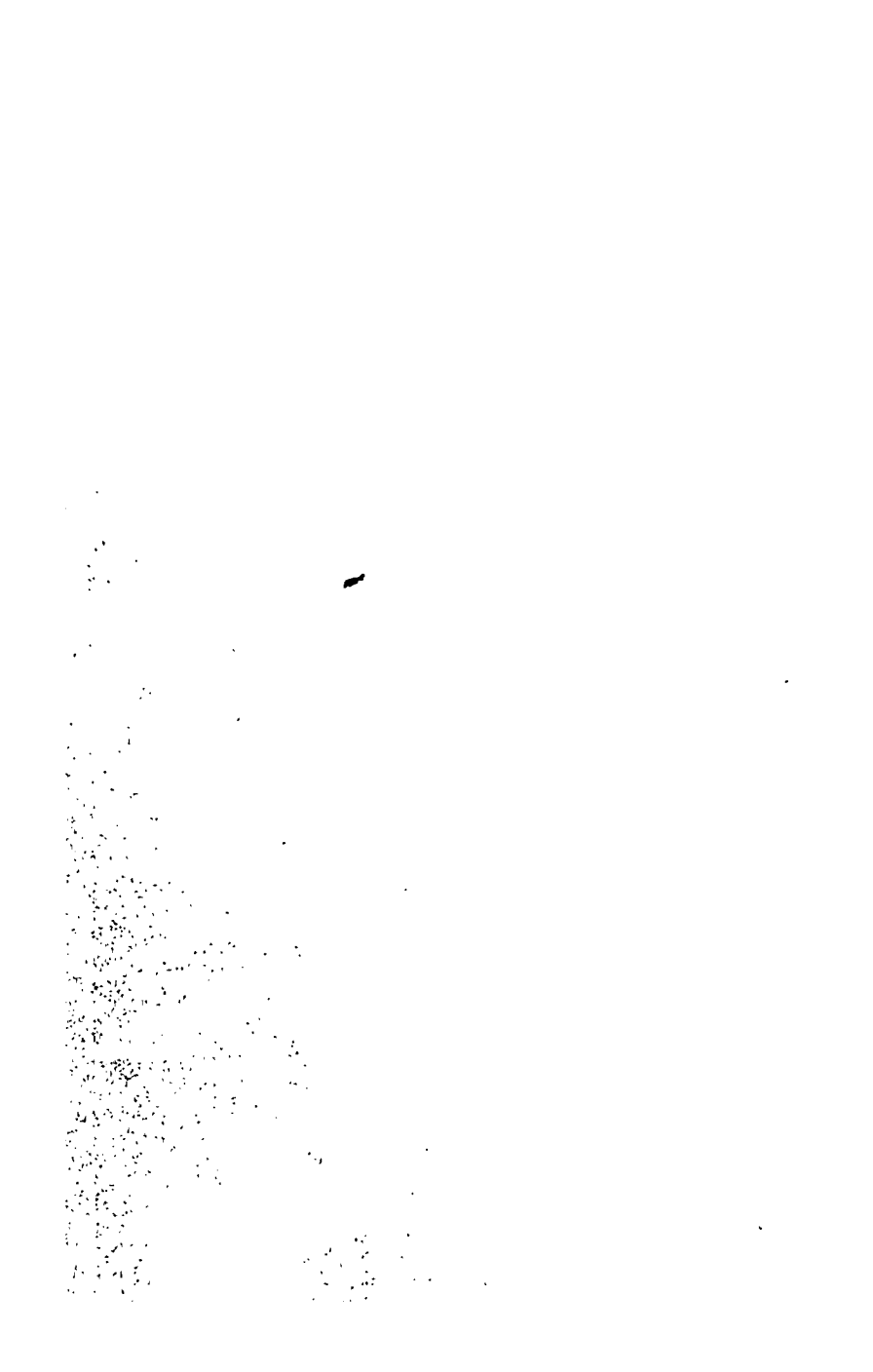
d.B.S. jun. exc.



Cypræa.

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G.B.S. jun. exc.

Cypræa.

ROYAL LIBRARY
OF THE
EDINBURGH
BOTANICAL
OF THE
ROYAL SOCIETY

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J.B.S. jun.r exc.

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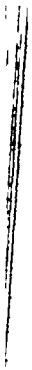
Cypræa.

G.B.S. jun. exc.



Cypræa.

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G.B.S. jun. exc.

Cypræa.

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G.B.S. Jun.r exc.

Cypræa

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G.B.S. fun.t exc.

Cypræa

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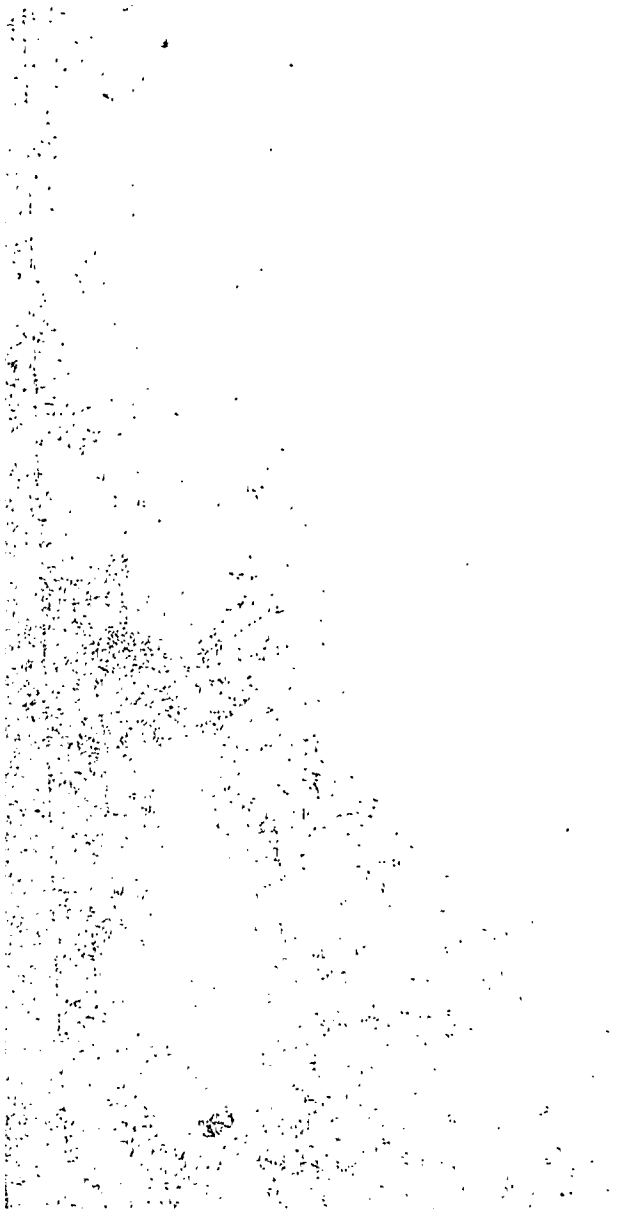

Cypræa.

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G.B.S Jun'exc

Cypræa

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Cypræa

LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY

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Cypræa

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Cypræa

TAYLOR LIBRARY OF THE ASIATIC SOCIETY

Cypræa

G. B. S. Junior

Cypræa

G B S Junr exc

Cypræa

LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY

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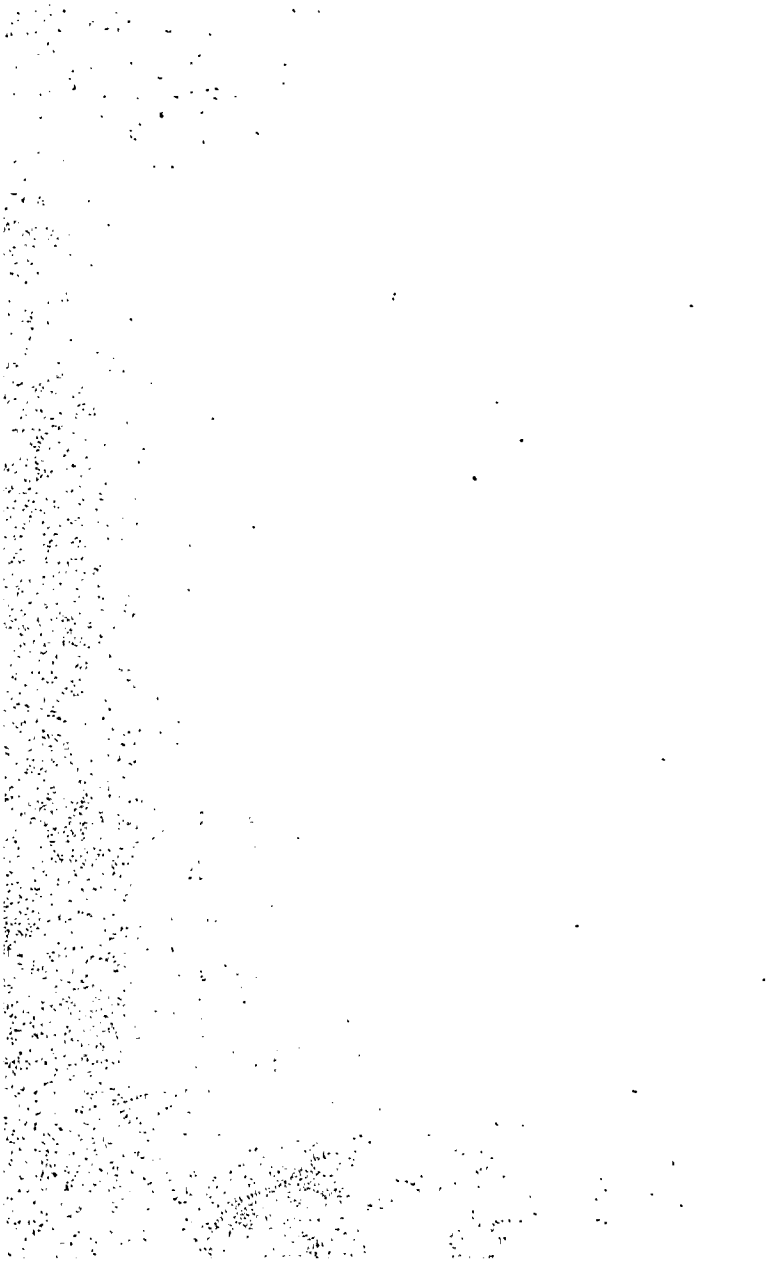
G.B.S. Junr exc



Cypræa

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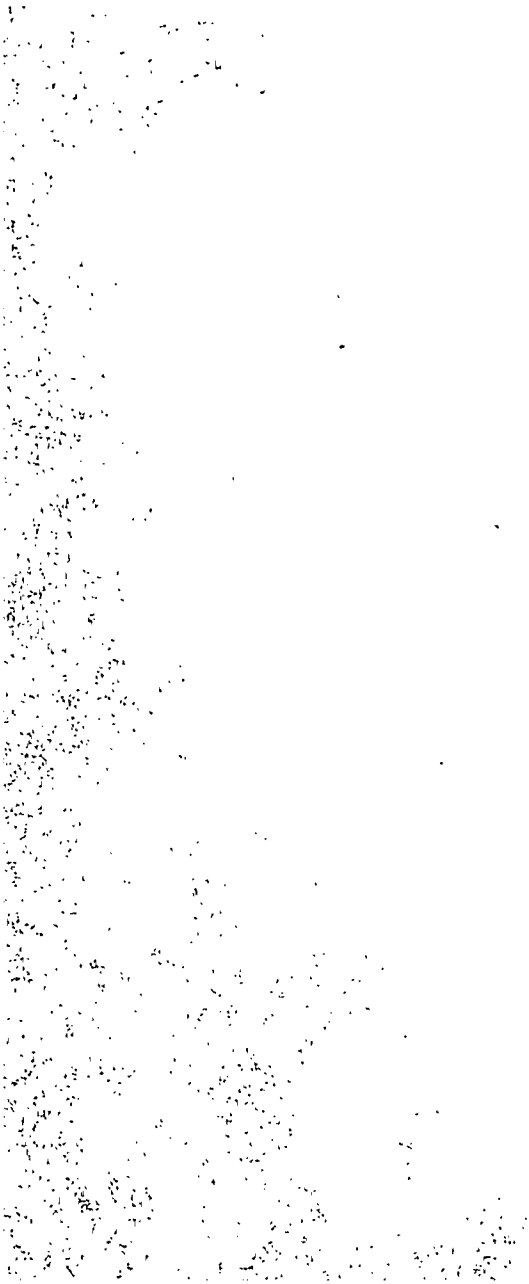

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G.B.S. Jun. exc.

Cypræa

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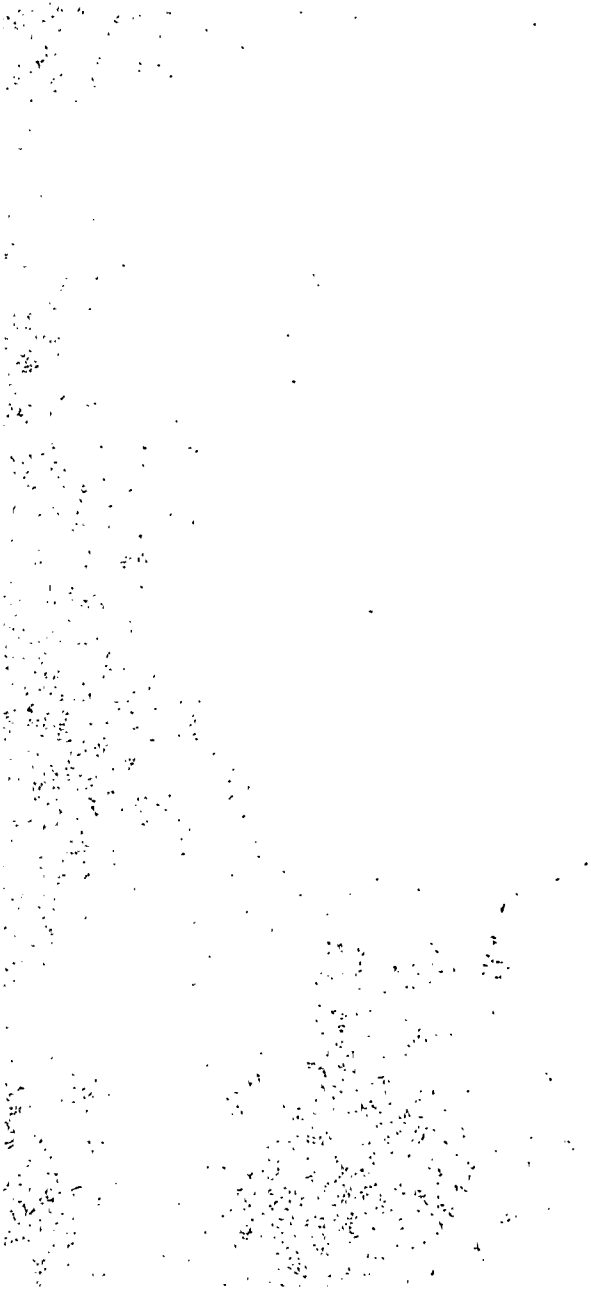
G.B.S. Jun.



Cypraea

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Cypræa.

LIBRARY ... ASIATIC SOCIETY

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G.B.S. jun. lato.

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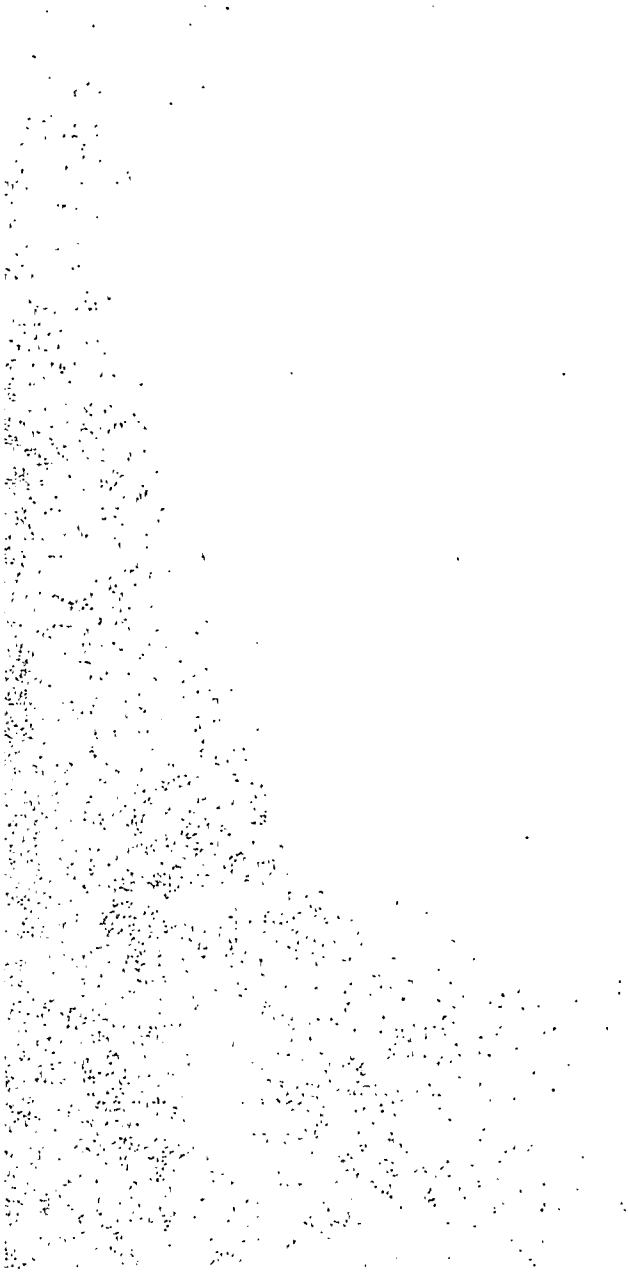
G.B.S. jun. pinx.



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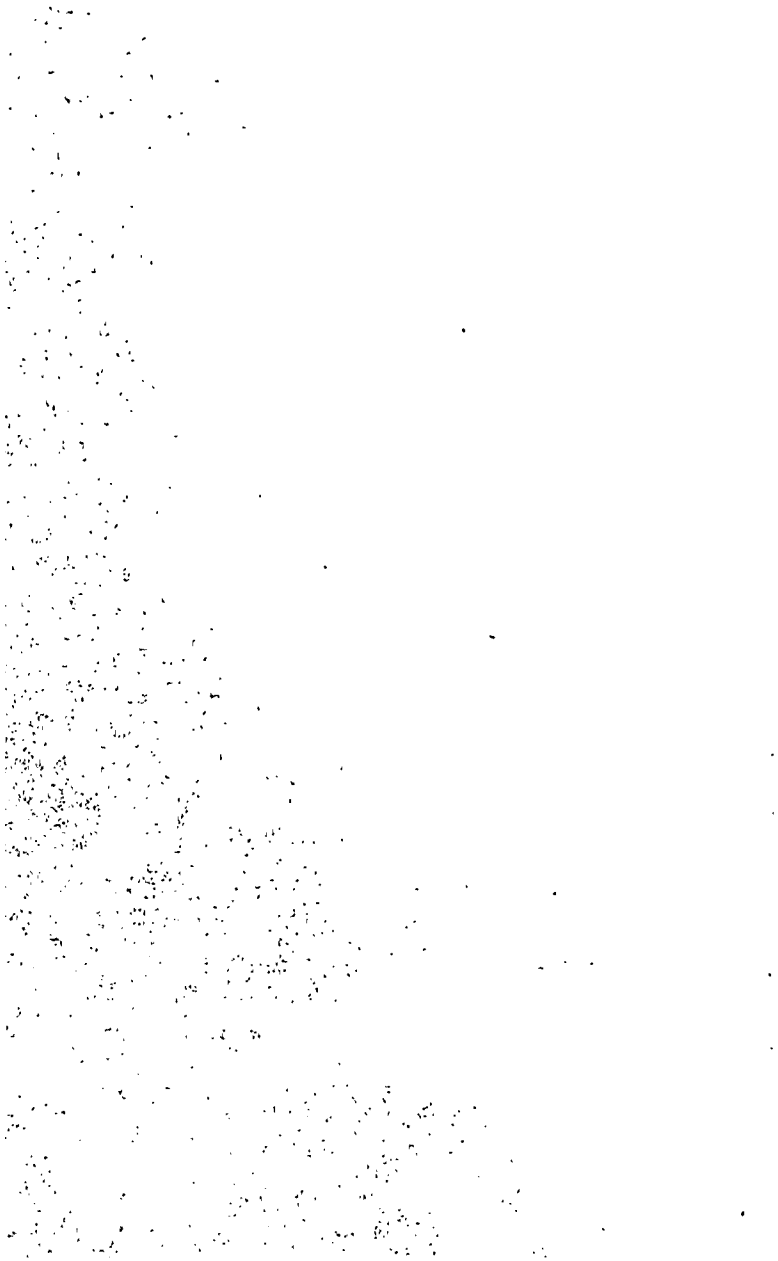

Cypræa.

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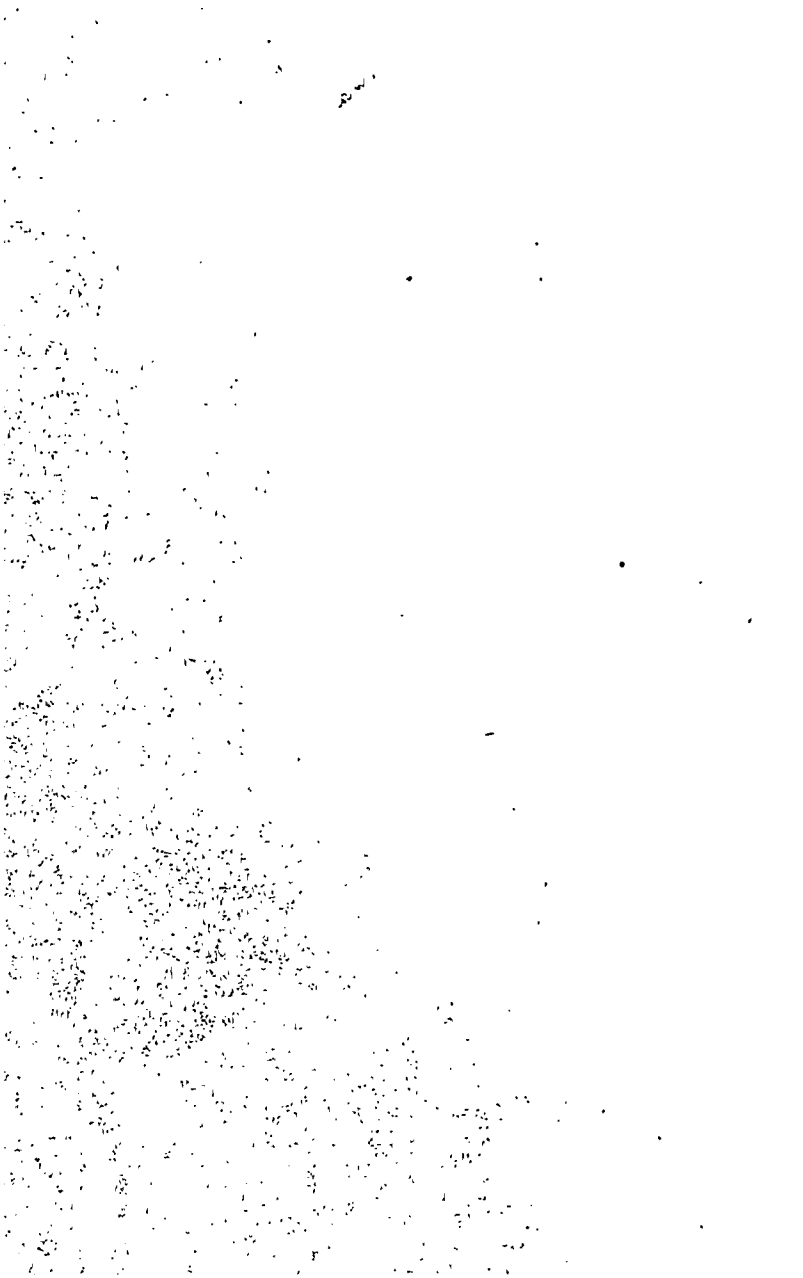
G.B.S. fun.texs



LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY

Margarita

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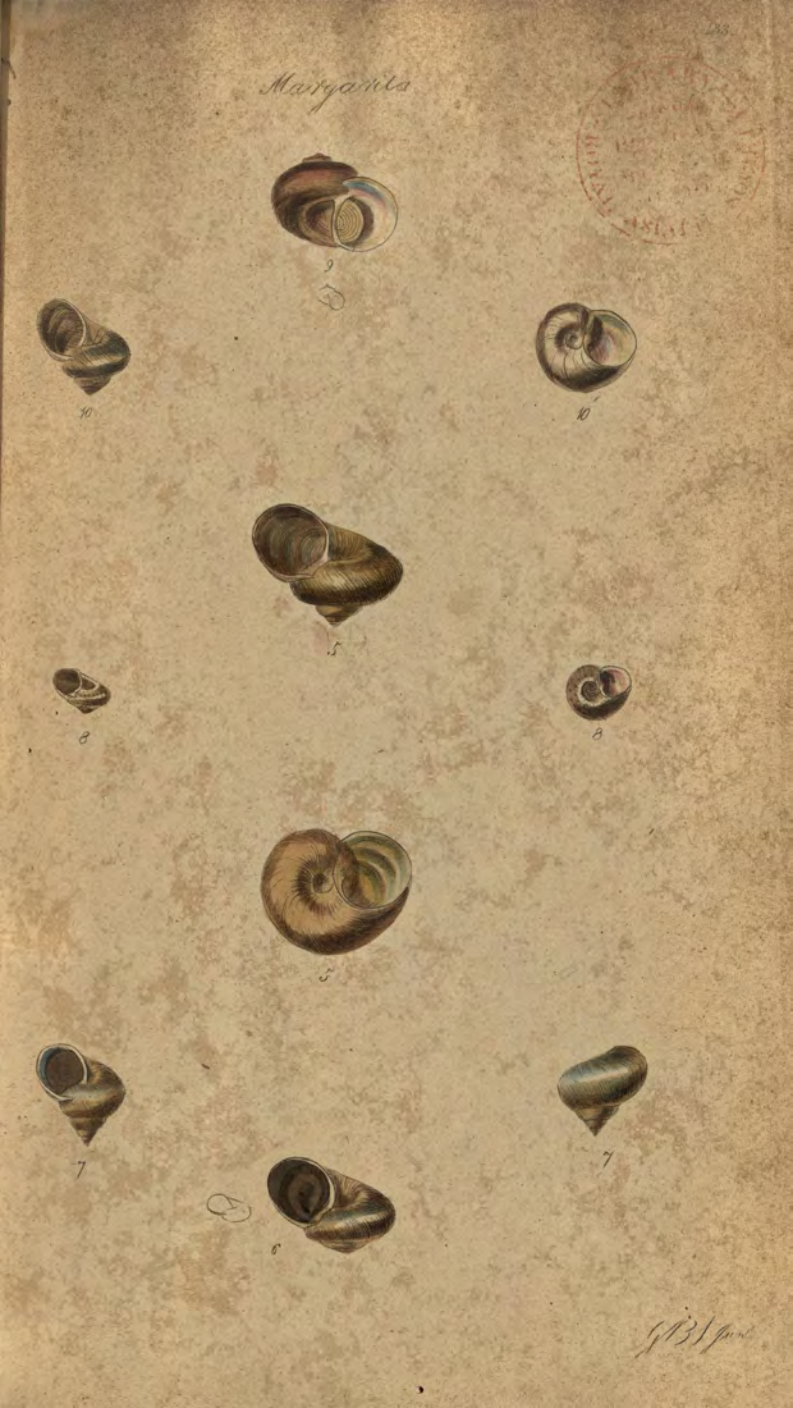
G.B.S. jun. del.

Margarita



Margarita

Chilina.

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G.B.S. Jun. exc.

Chilina

G.B.S. fun. ex.

Bulinus

LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY

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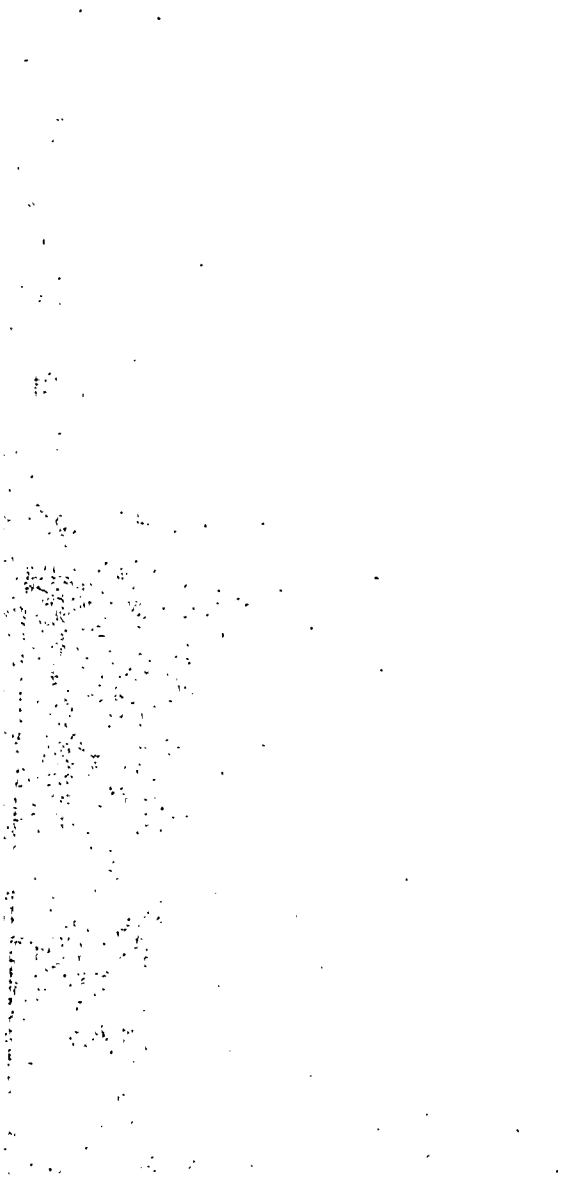
G. B. P. fecit.



Bulinus

Pl. 138.

G. B. S. Jun. exc.

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Bulimus

ROYAL ACADEMY OF SCIENCE

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Bulinus

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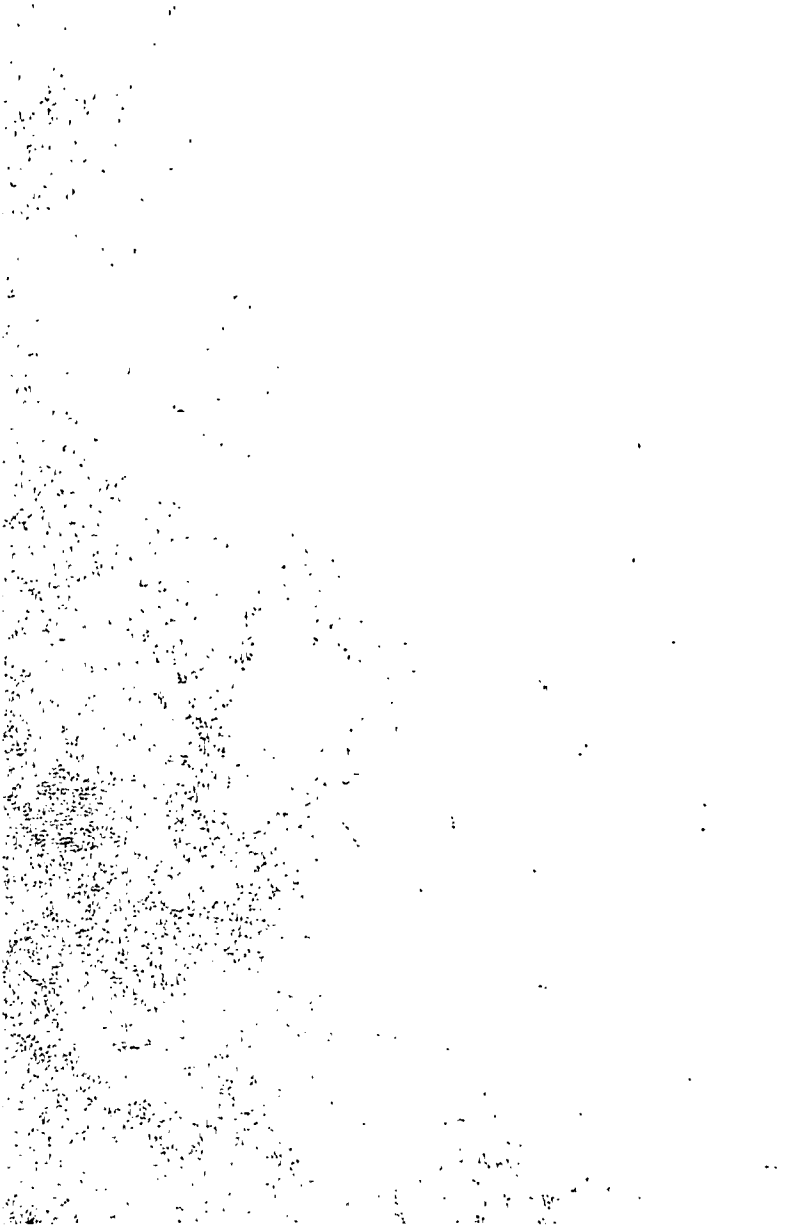
G.B.S. Jan. exc.



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Bulinus

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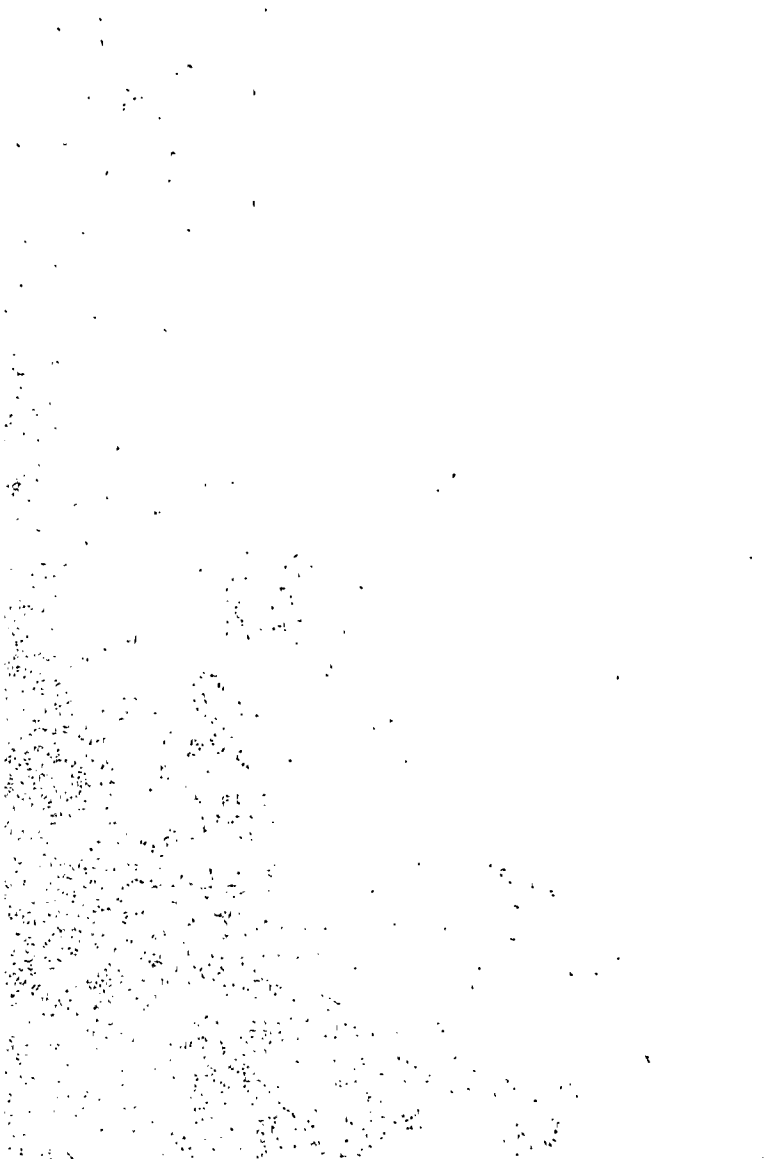

Bulinus.

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G.B.S. fecit. exc.

Bulinus.

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G.B.S. Junr. exc.

ROYAL INSTITUTE

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Bulinus.

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LIBRARY

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Cardium.

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Cardium.

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38. a

38. b

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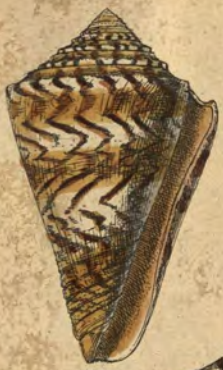
Conus



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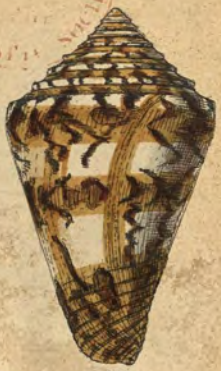

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Conus

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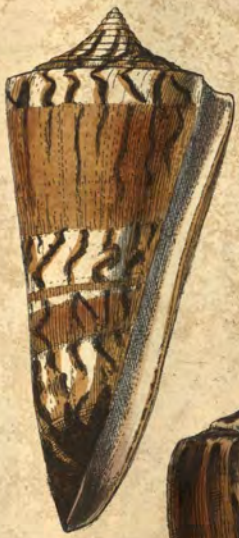

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Conus

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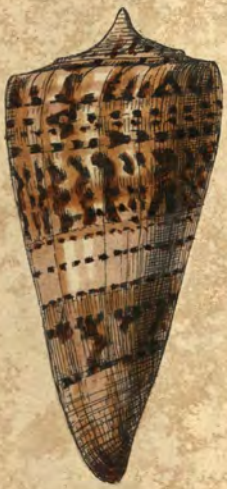

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Conus

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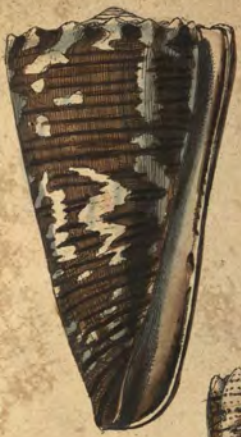

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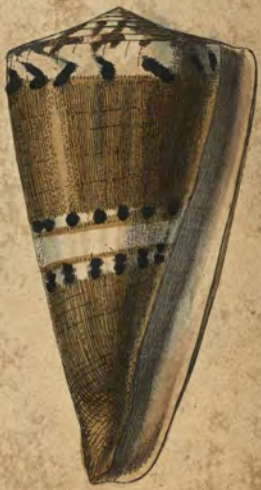

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Chiton

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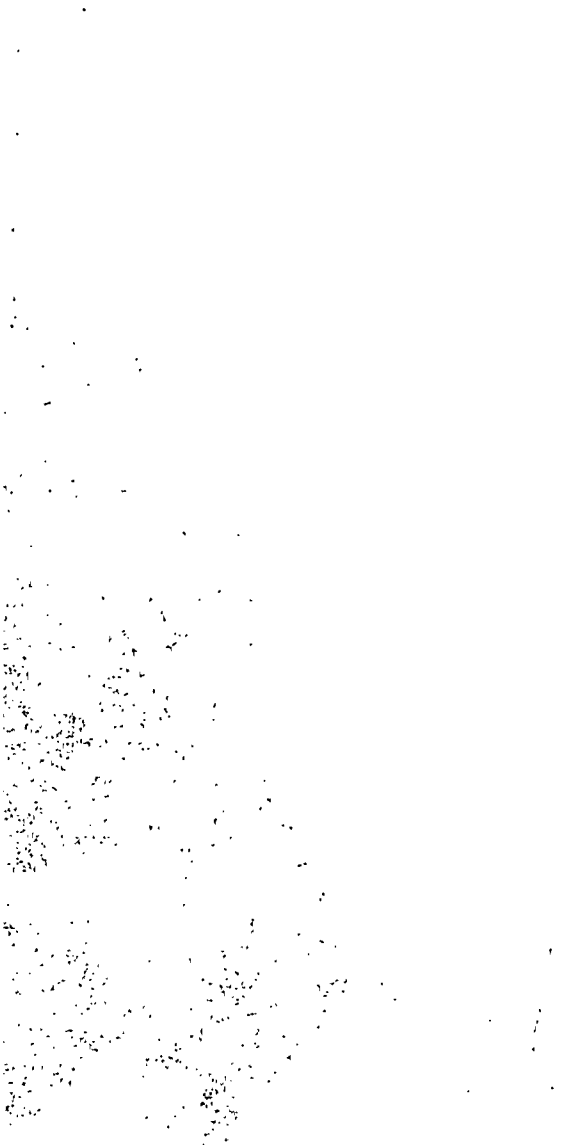
Chiton



Chiton

LIBRARY OF THE ROYAL ASIATIC SOCIETY

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Chiton

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Chiton

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Chiton

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Chiton

LIBRARY ASIATIC SOCIETY

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Chiton

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LIBRARY
ROYAL ASIATIC SOCIETY

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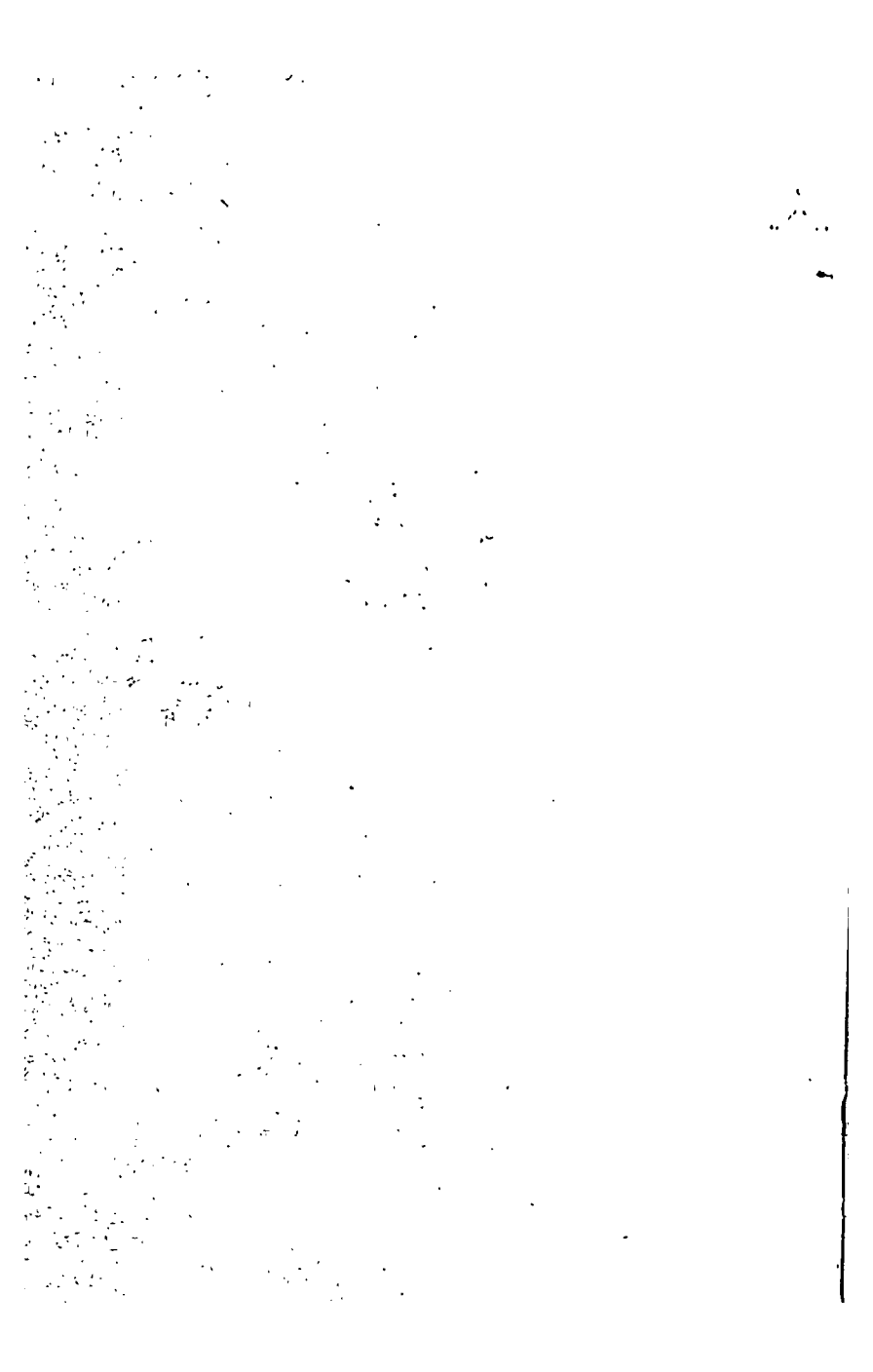

LIBRARY ROYAL ASIATIC

Cardium

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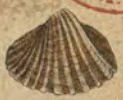

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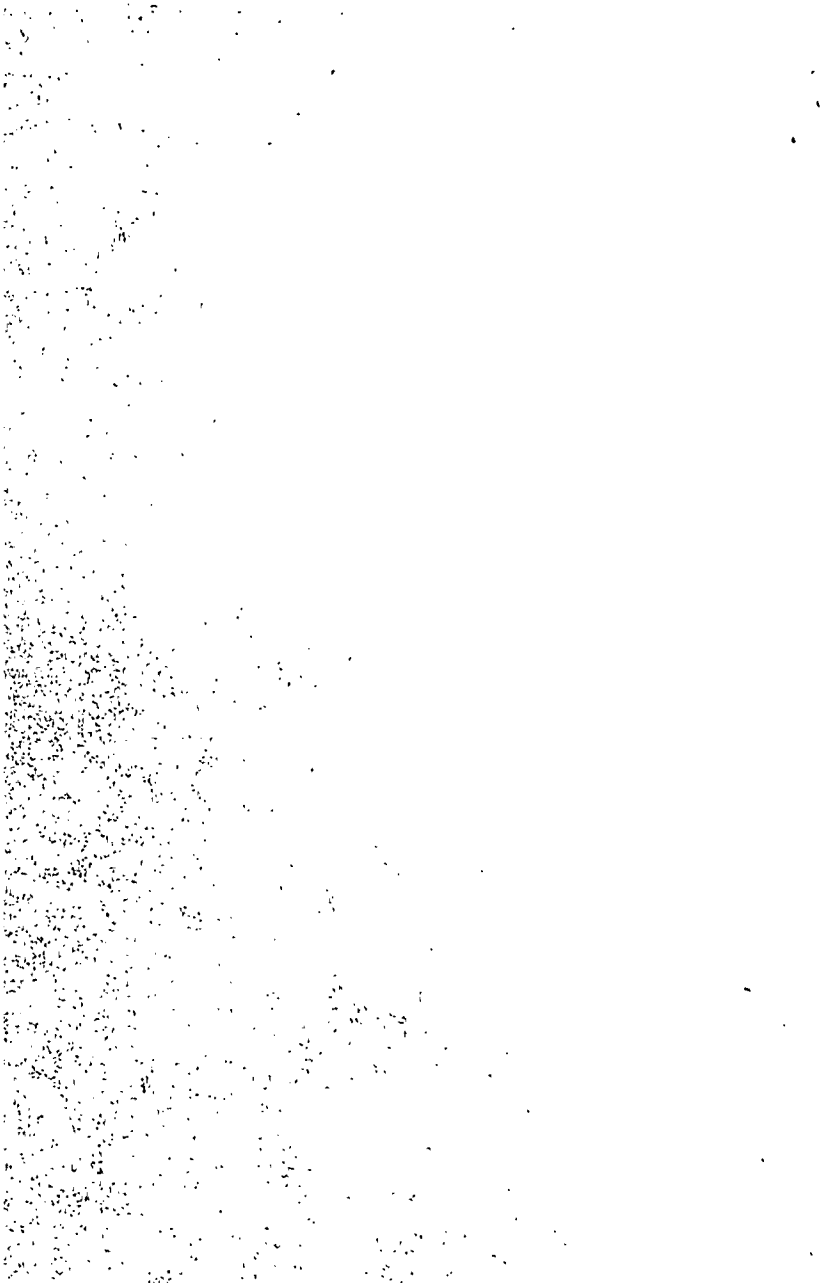

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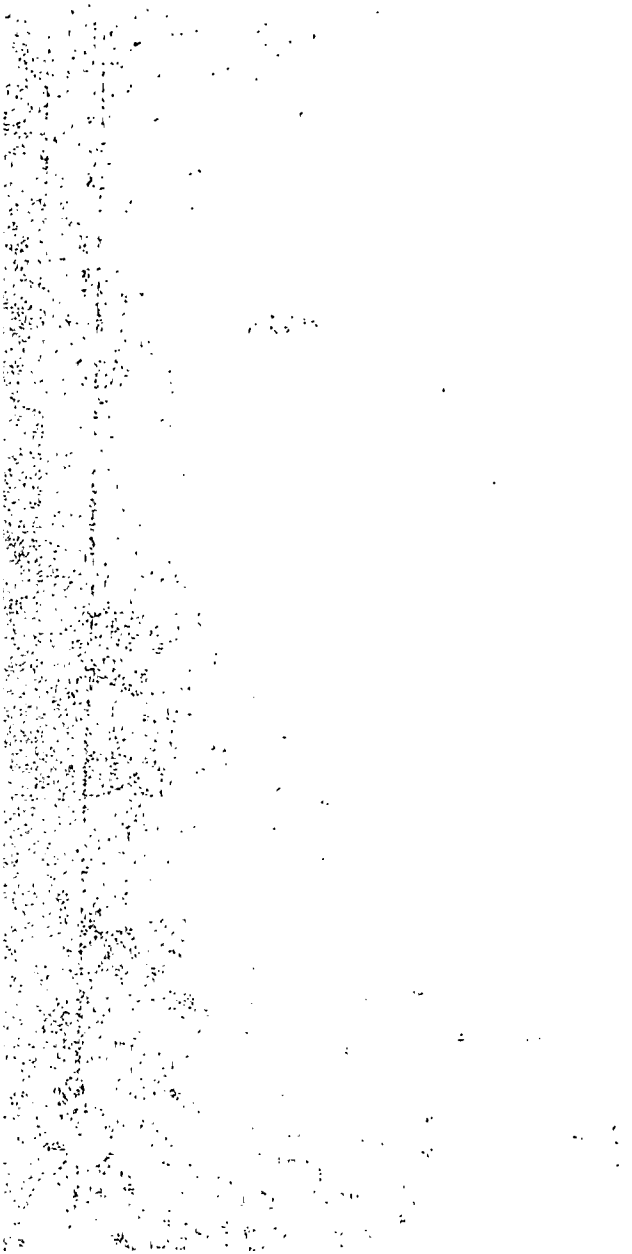

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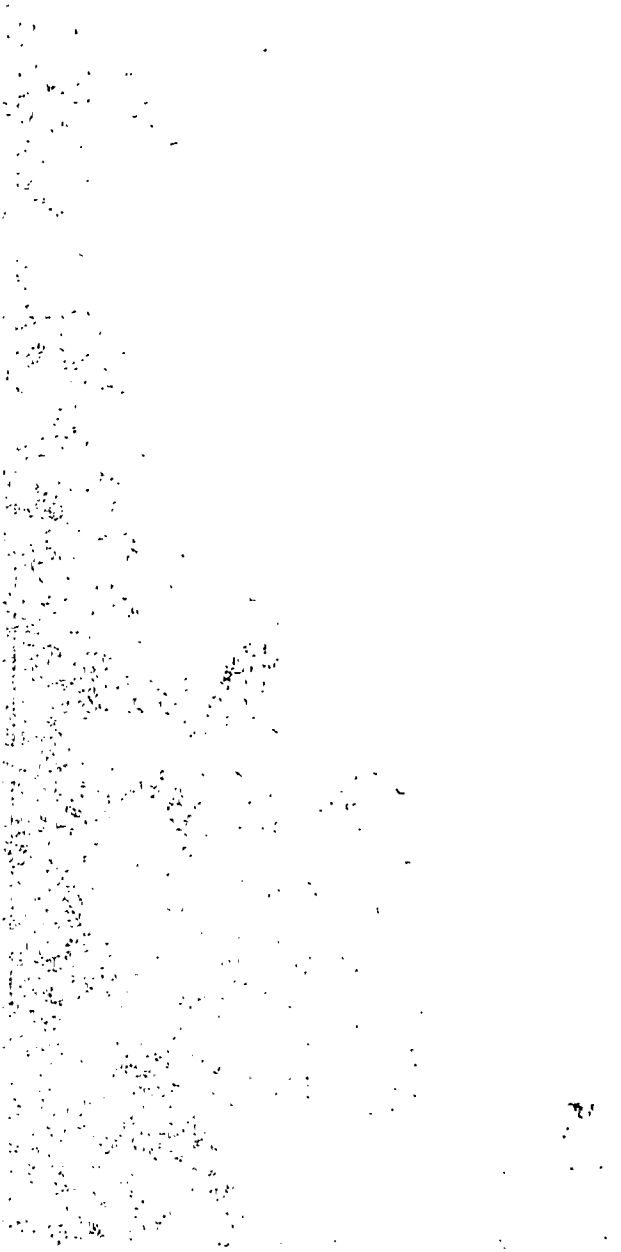

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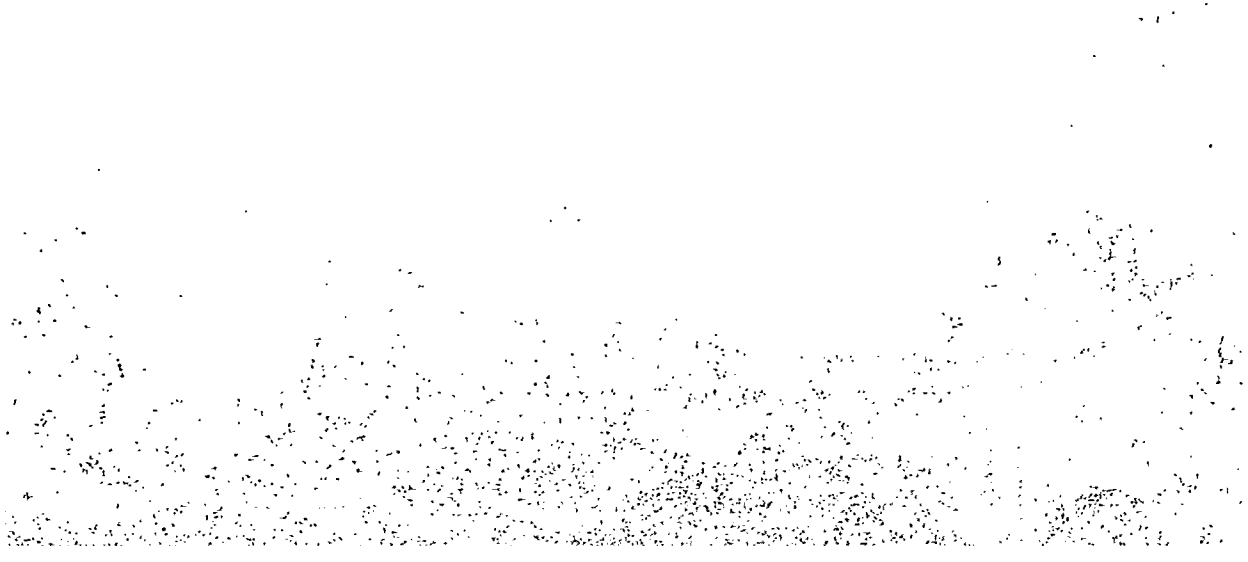

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Cardium

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Cardium

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ROYAL ASIATIC SOCIETY

Cardium

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Cardium

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Bulinus

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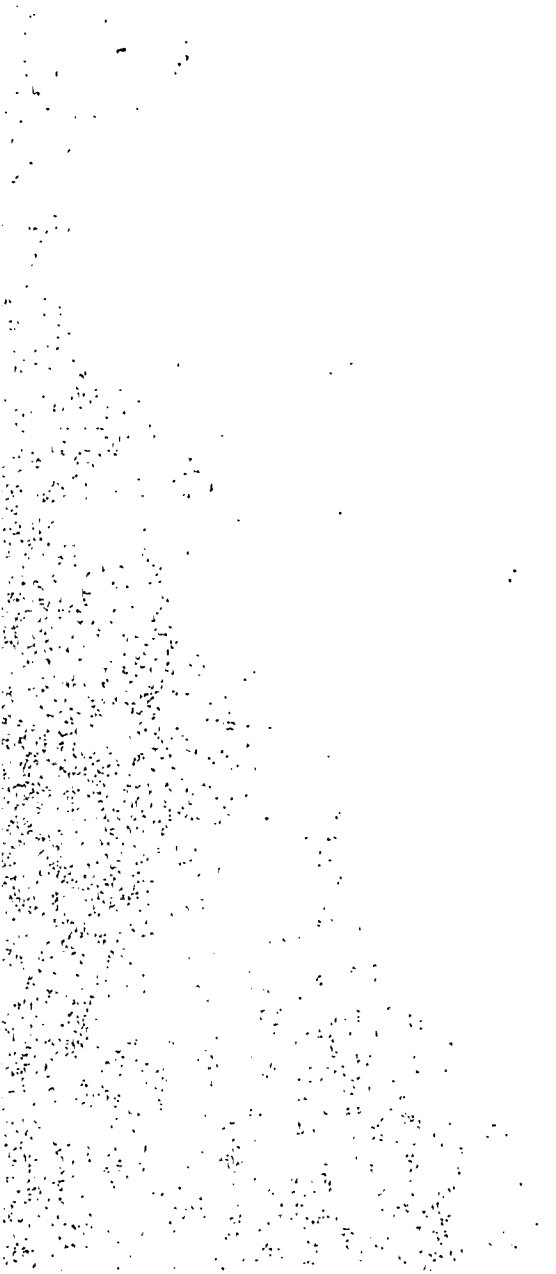

Murex

ROYAL ASIATIC SOCIETY

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Murex.

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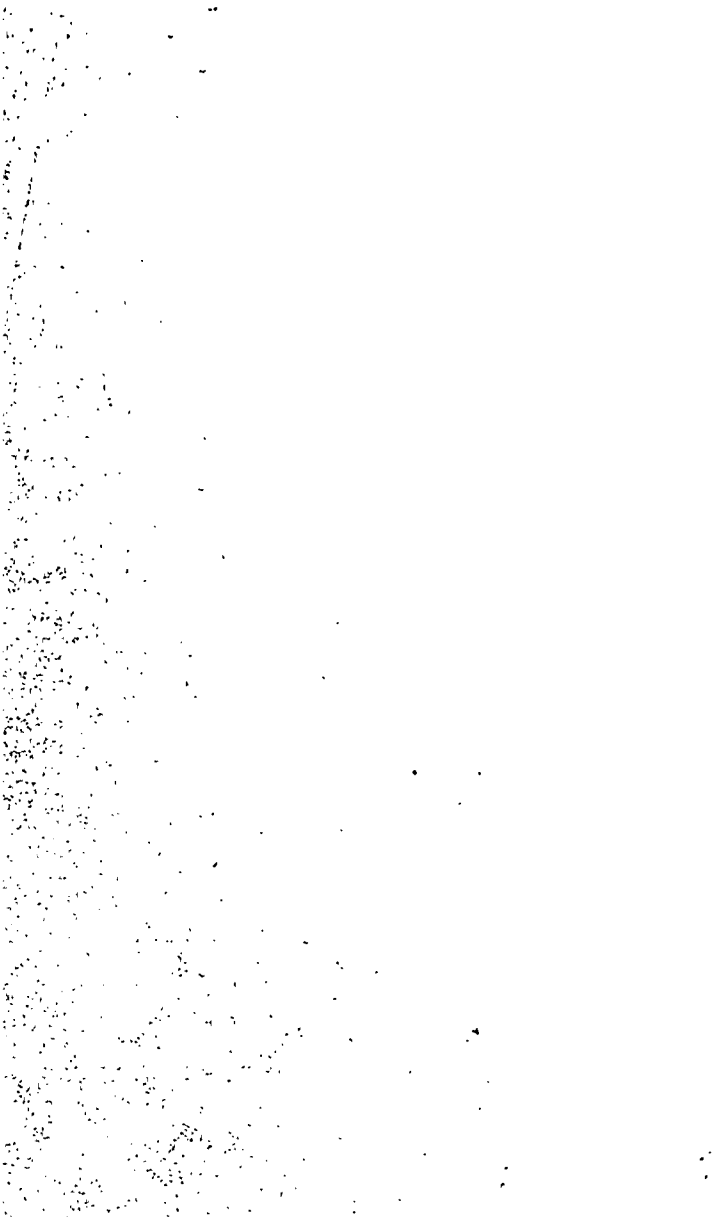

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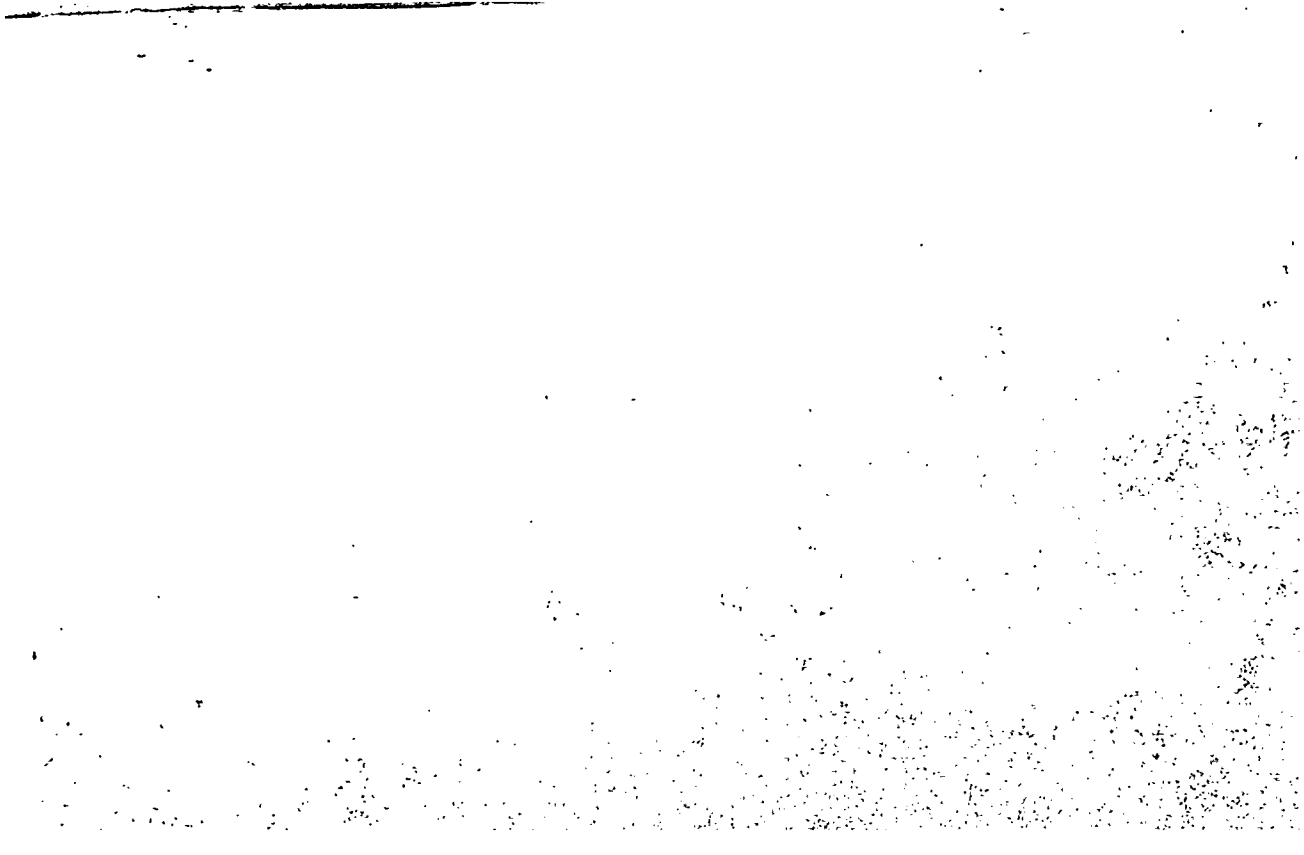

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Murex

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LIBRARY
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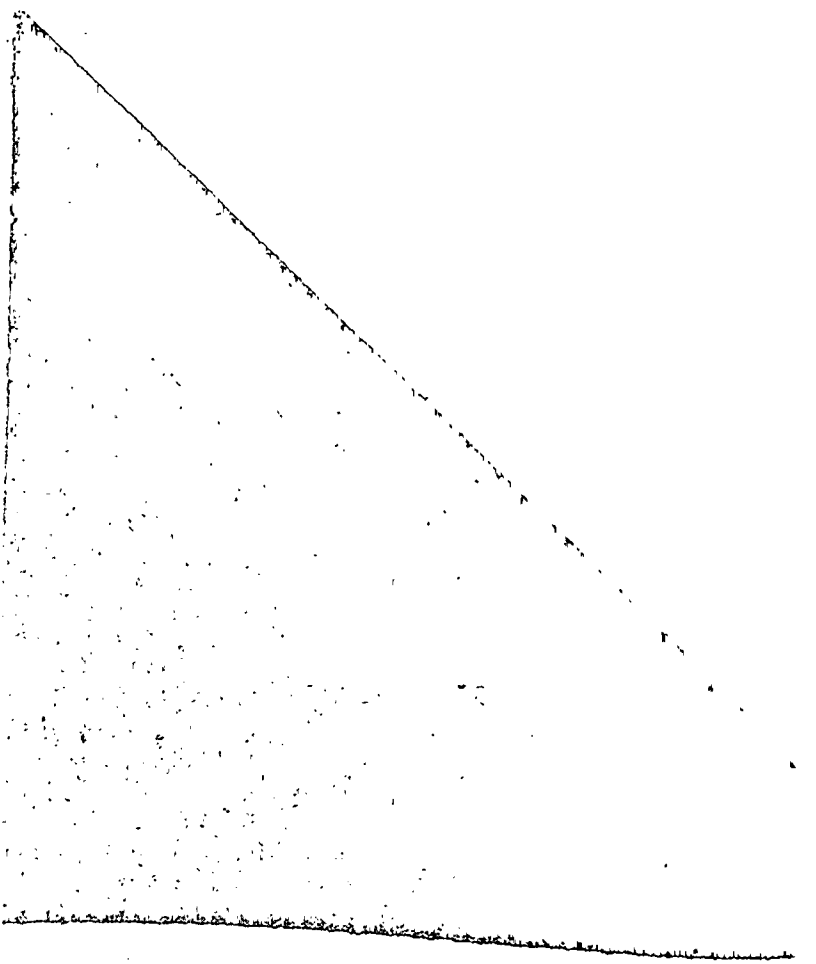

V + R (?)

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